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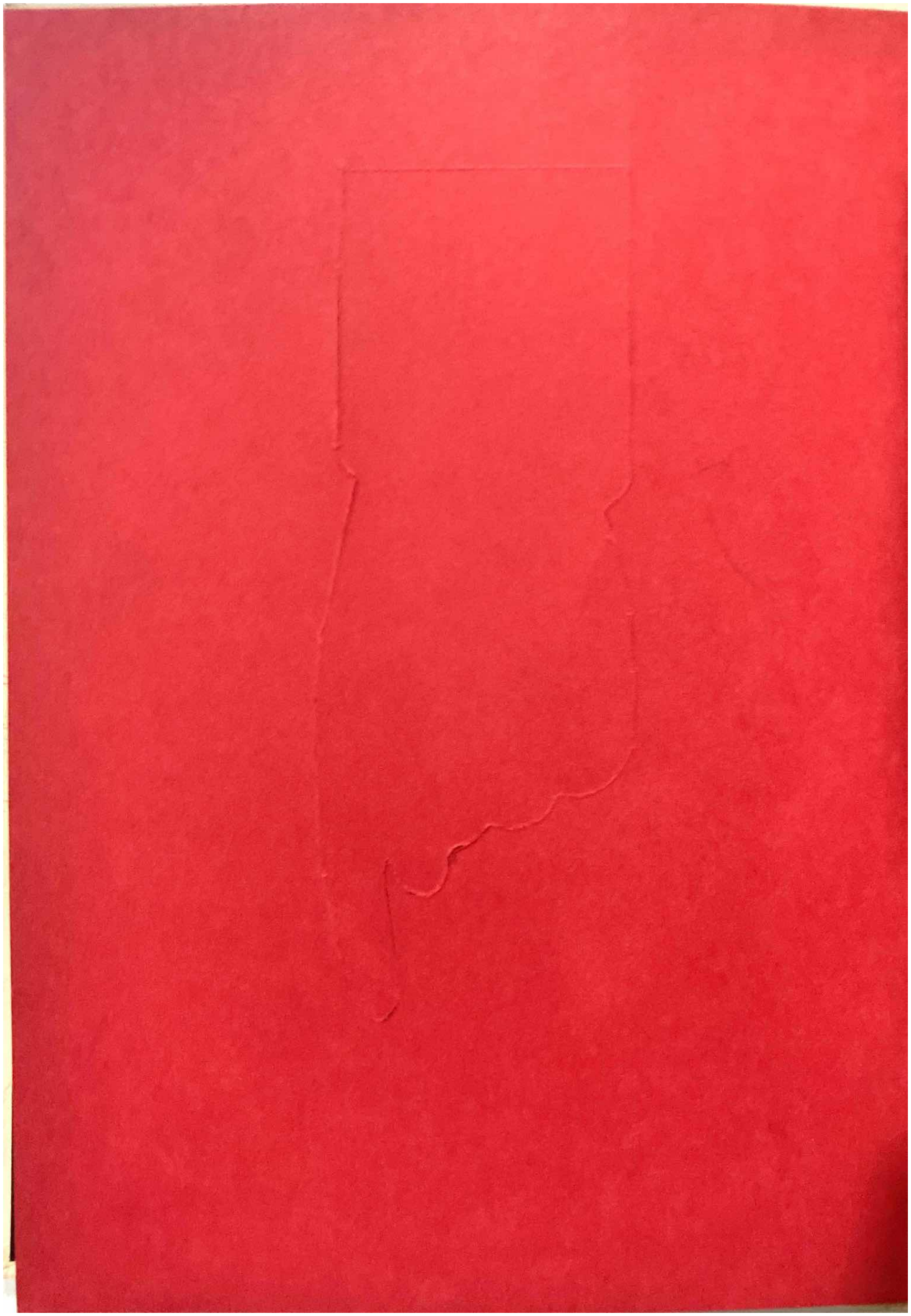
this is your bookmark: please tear out.



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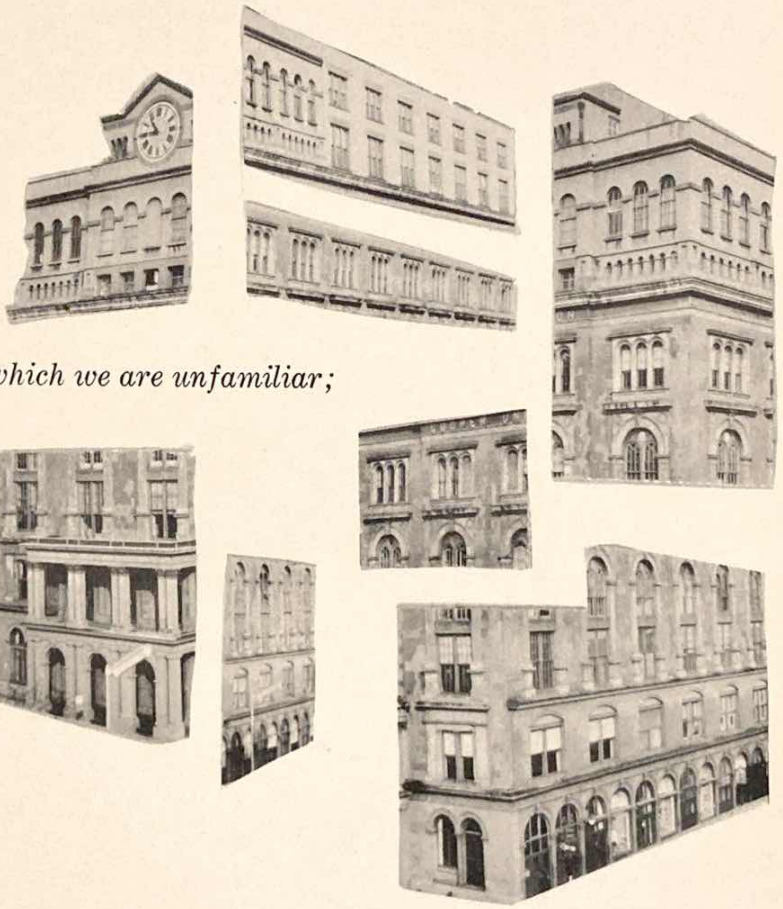
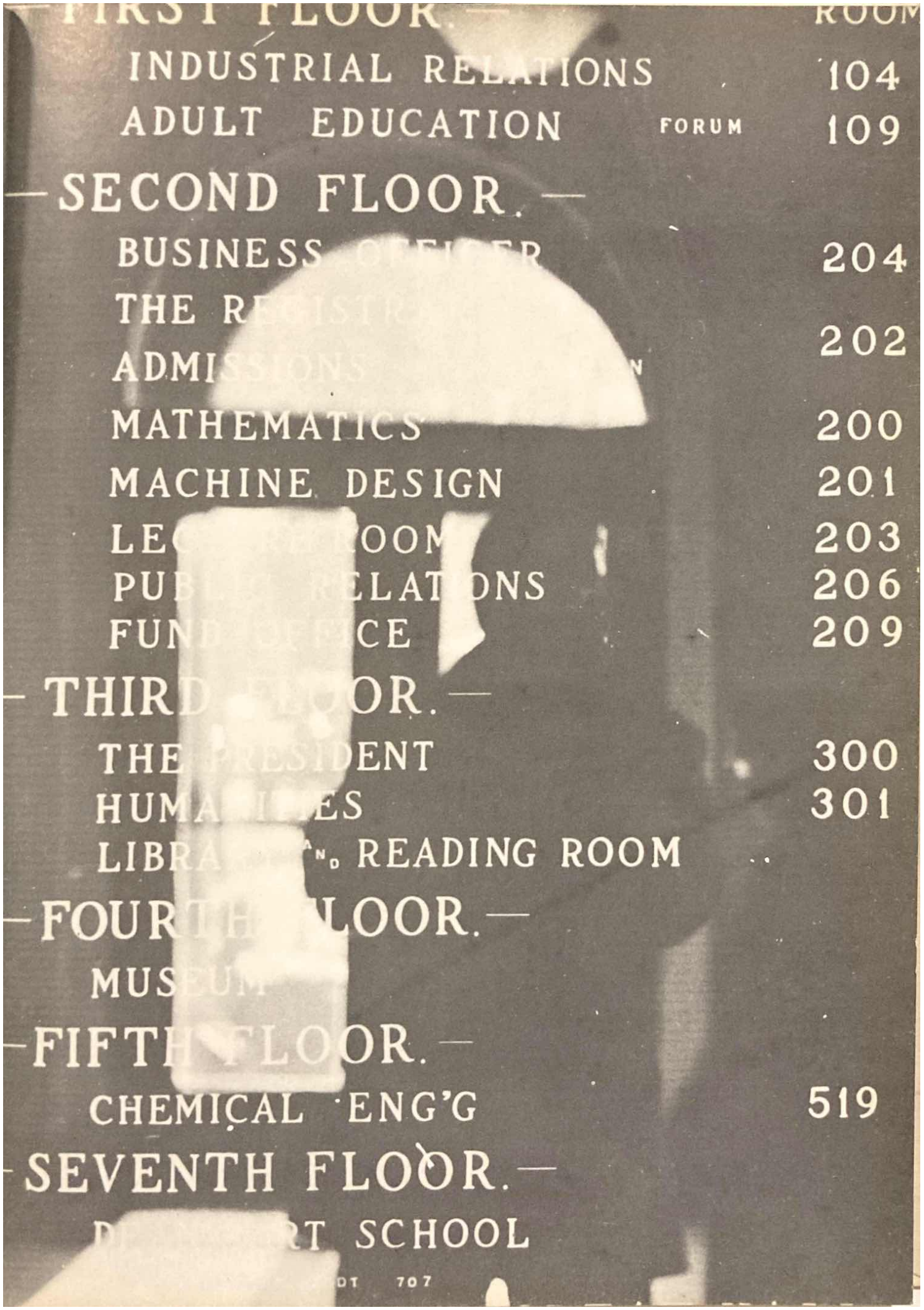


We enter a building with which we are unfamiliar;

its corridors emptily echo strangeness . . . newness.


—FIRST FLOOR.—
ROOM
INDUSTRIAL RELATIONS 104
ADULT EDUCATION FORUM 109
—SECOND FLOOR.—
BUSINESS 204
THE R 202
ADMI N
MATHEMATICS 200
MACHINE DESIGN 201
LE OOM 203
PU ELAT ONS 206
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—THIRD OOR.—
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LIBR AND READING ROOM
—FOUR LOOR.—
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—FIFTH OR.—
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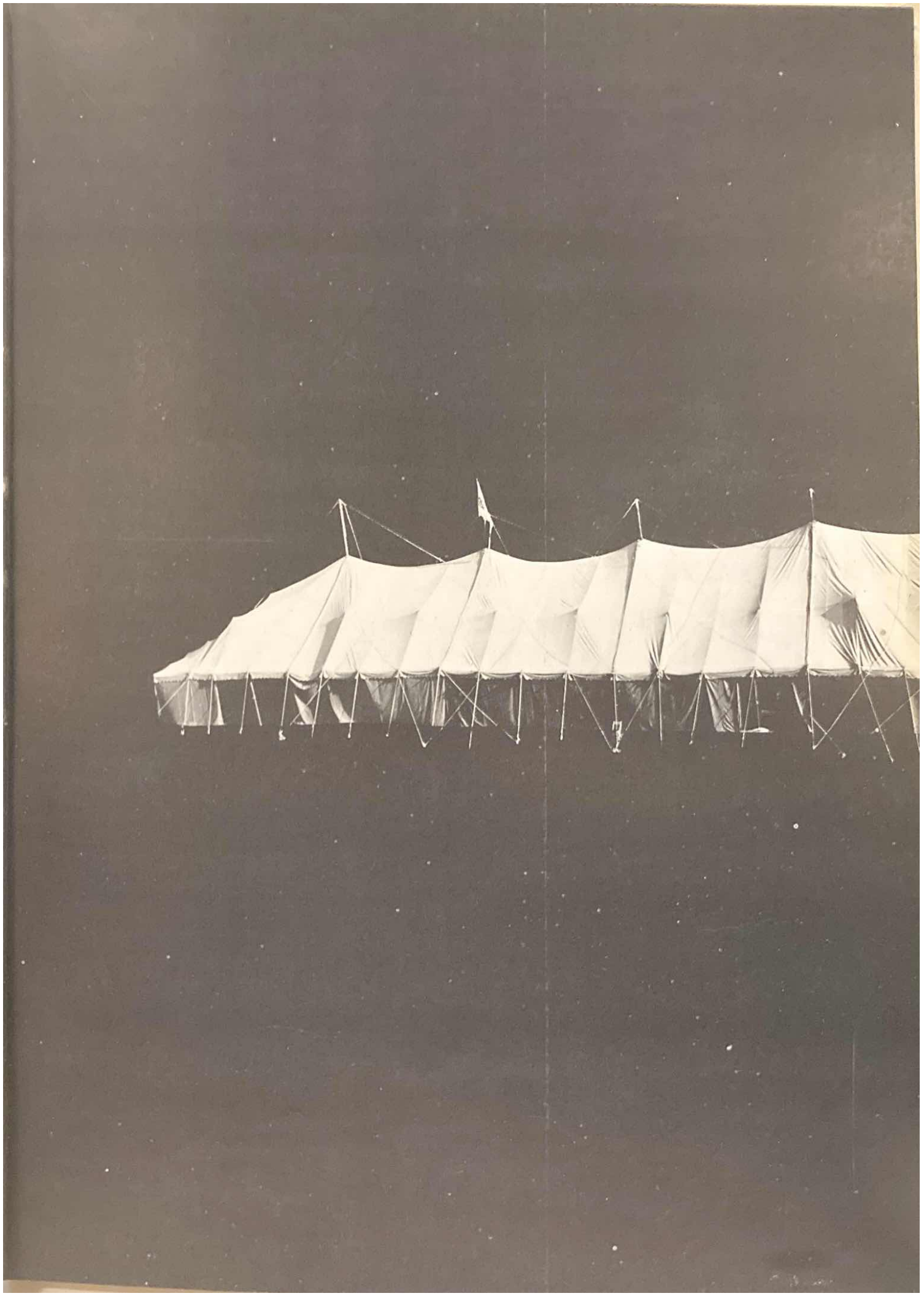
—SEVENTH FLOOR.—
RT SCHOOL
DT 707

But with years and growing associations, that echo becomes a humming sound of something familiar, the familiar, warm cacophony of a school alive with friend-talk, student-talk,

teacher-talk . . . sounds of growth. So we grow, we develop, we learn . . . and our unfamiliarity is subtly replaced by an ever-increasing understanding of our surroundings and of ourselves.

Peter Cooper

There's excitement in the air, because we're having a meeting, a convocation— an official fracas. As we wave WELCOME to the alumni with banners of maroon and gold, new friends and old friends meet in a tent stretched under the sky. On a newly emptied and waiting lot, they speak of the future of The Cooper Union For The Advancement Of Science And Art, and of its past . . . the things they remember . . . conversational echoes of weathered brownstone, rolled beams and a round elevator crowded with people and packages . . . briefcases, test tubes and laughter . . . wet paint and grimaces. EDUCATION, FREE OF CHARGE — a school that pays as dividends the benefits of study and hard work . . . study that grows into knowledge and work that grows into achievement, all conceived and given life in the dream of a man who made reality of his fondest wishes. Let us, following his example, bring to fruition a Dream worthy of our training.



In order that we may learn, people we seldom see, trustees and administrators,

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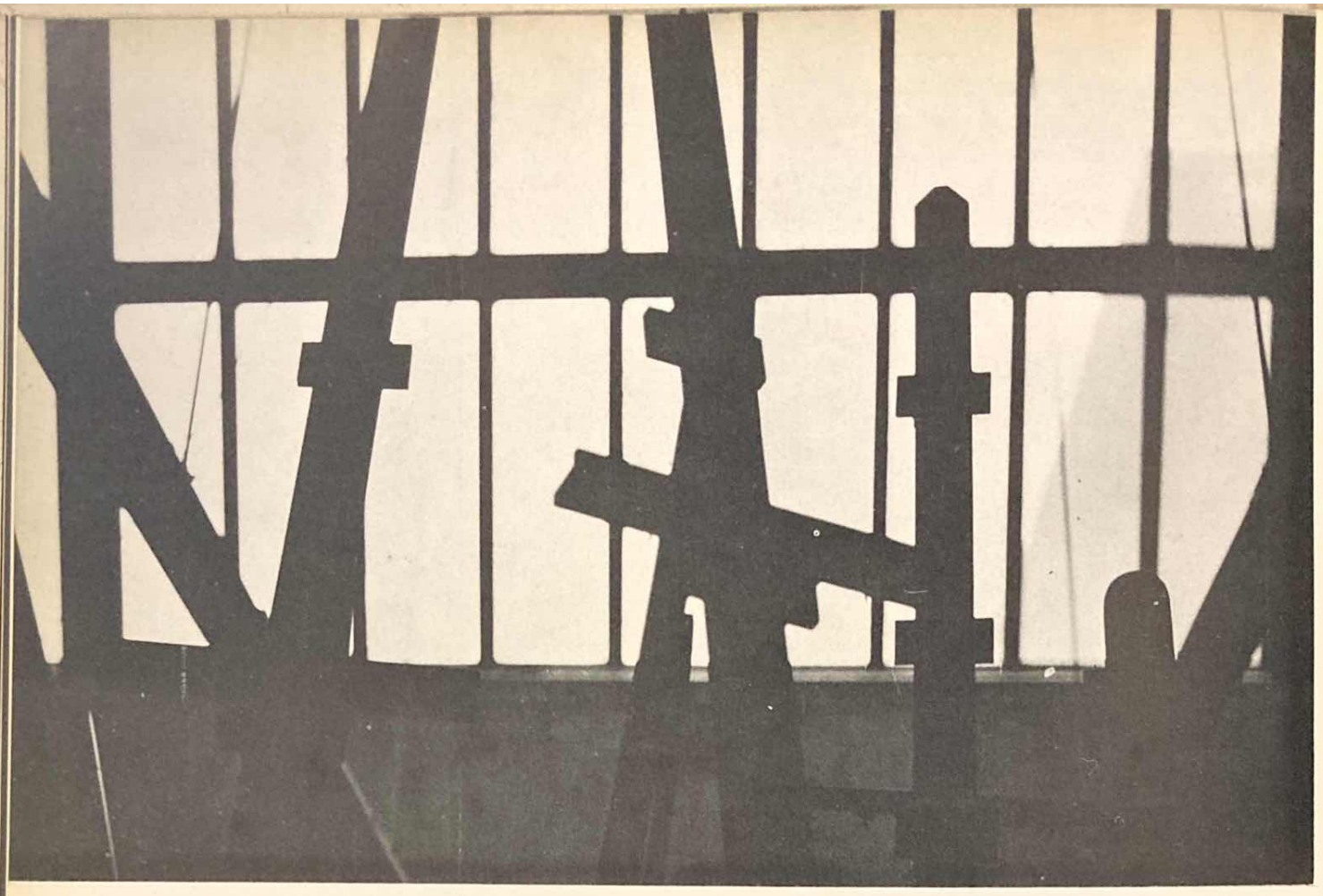
ust concern themselves with the answers to questions we now ask ourselves:

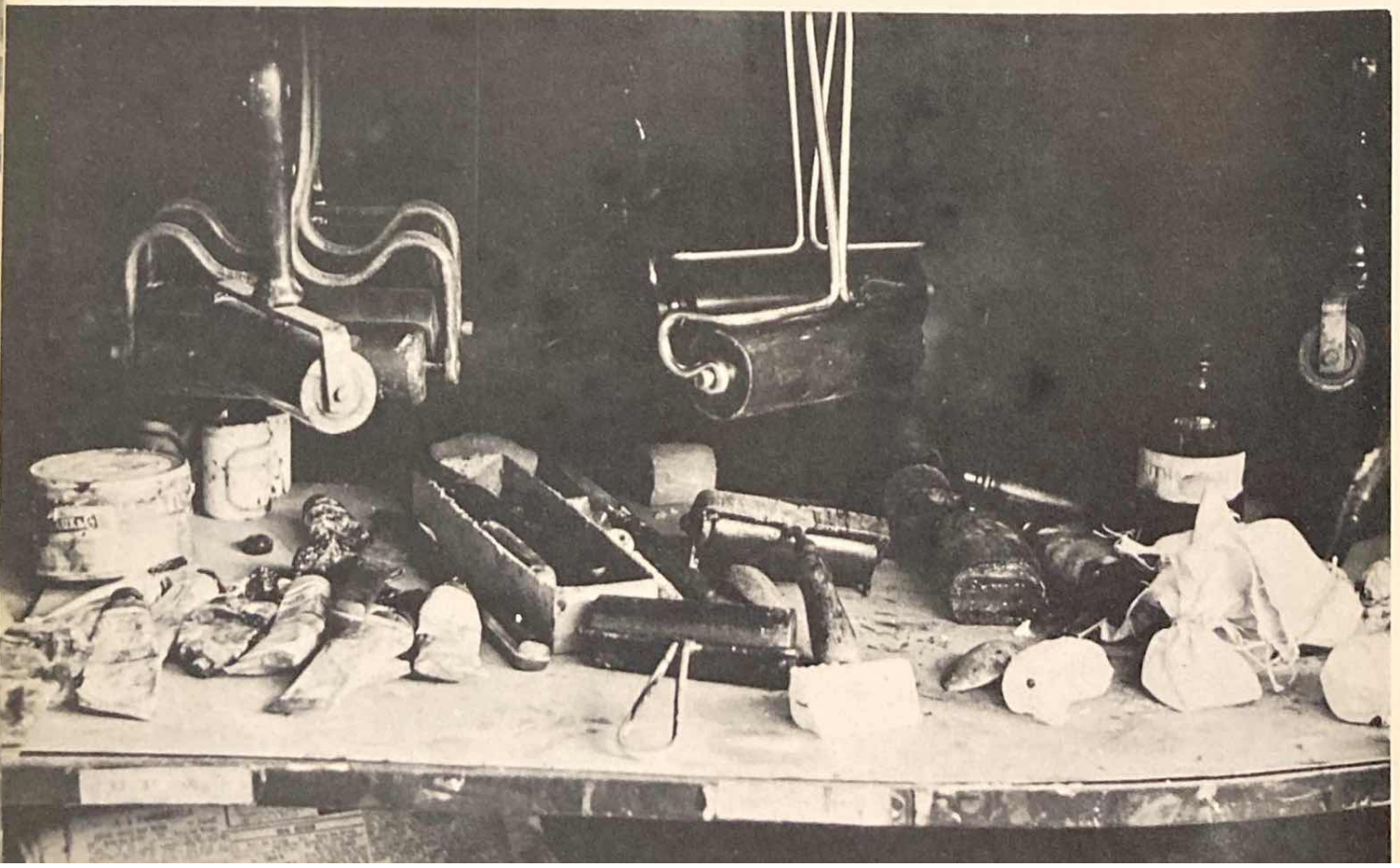
Where will we go?

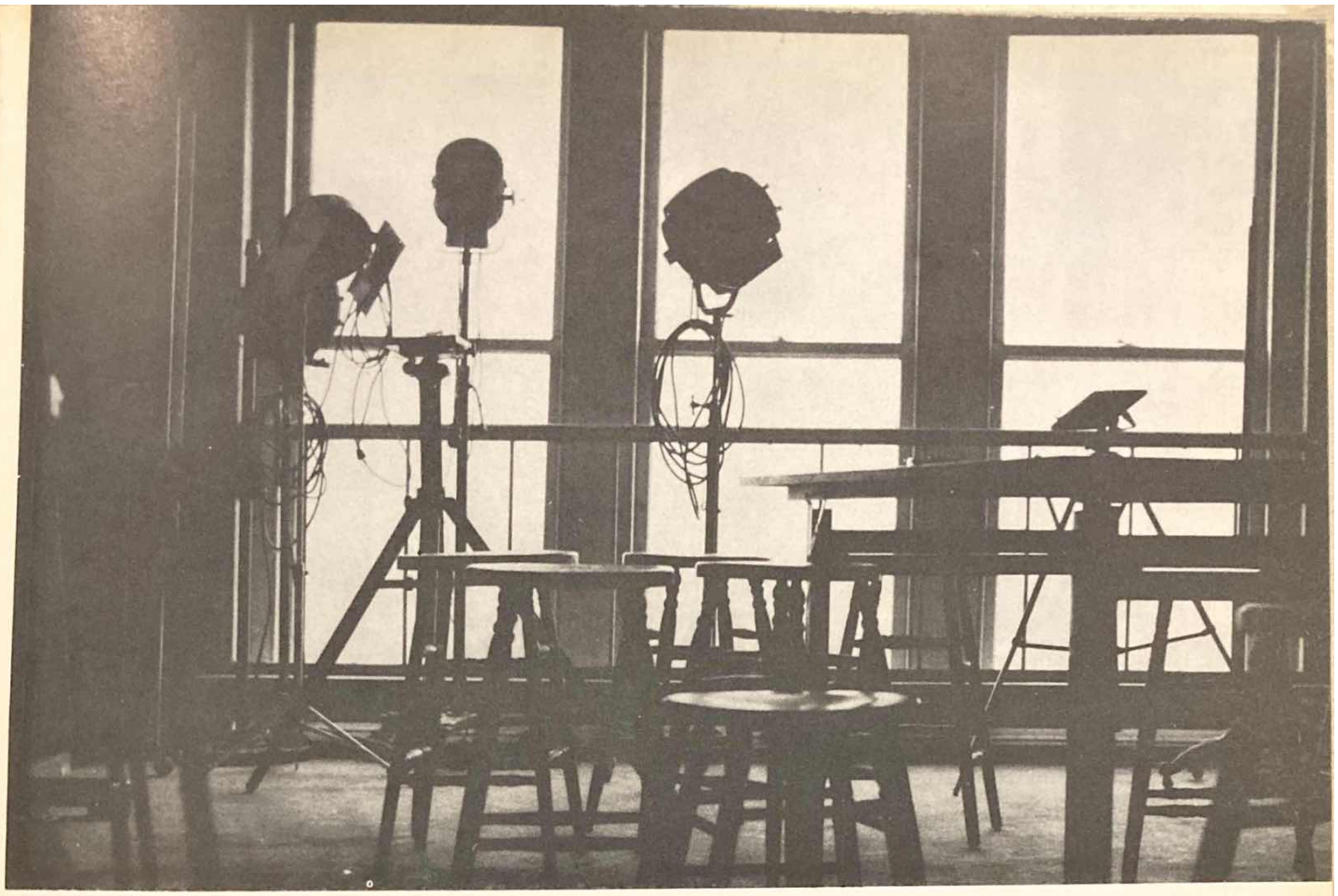
What will we do?

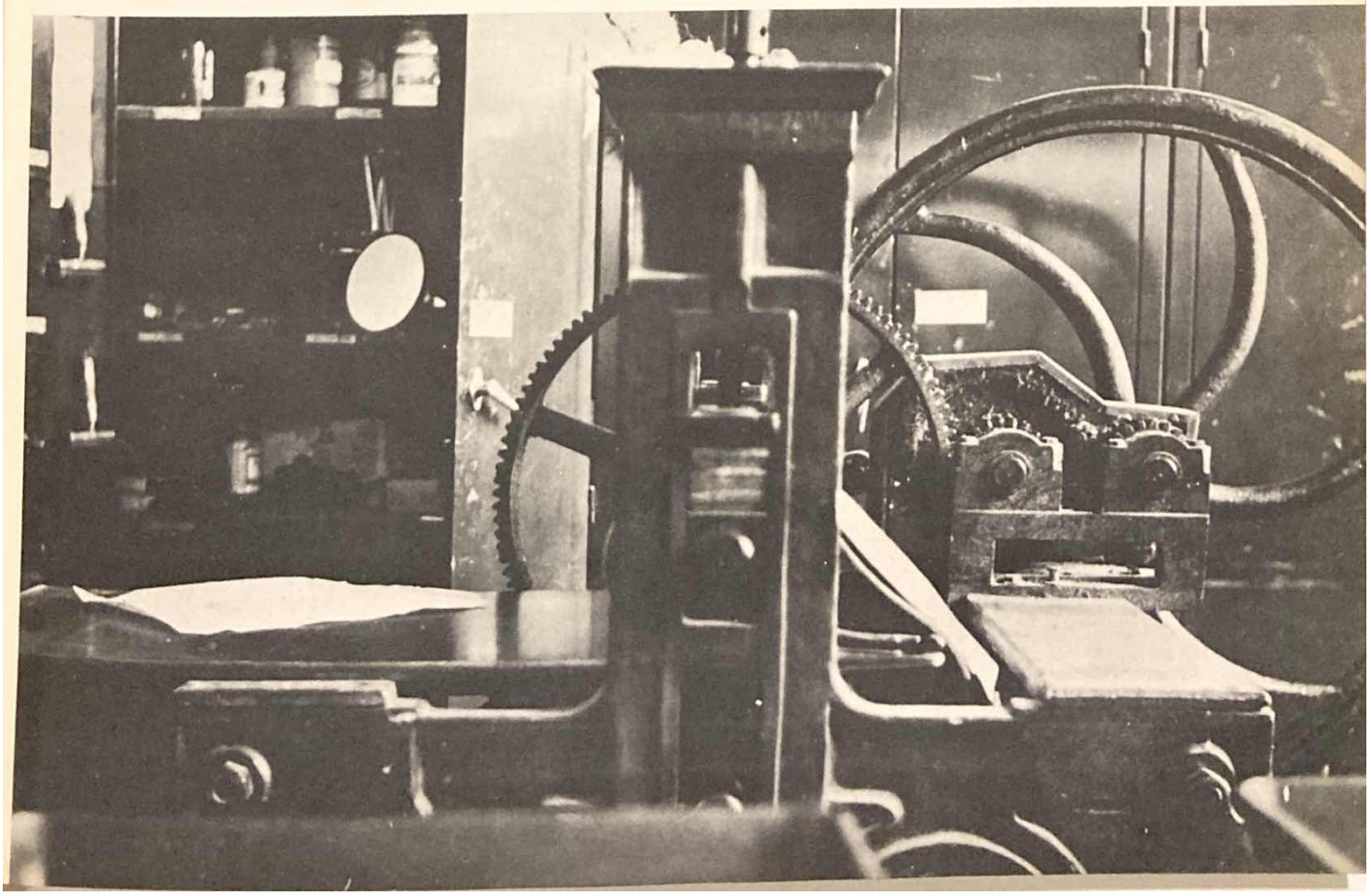
What will we be?

How will we grow?

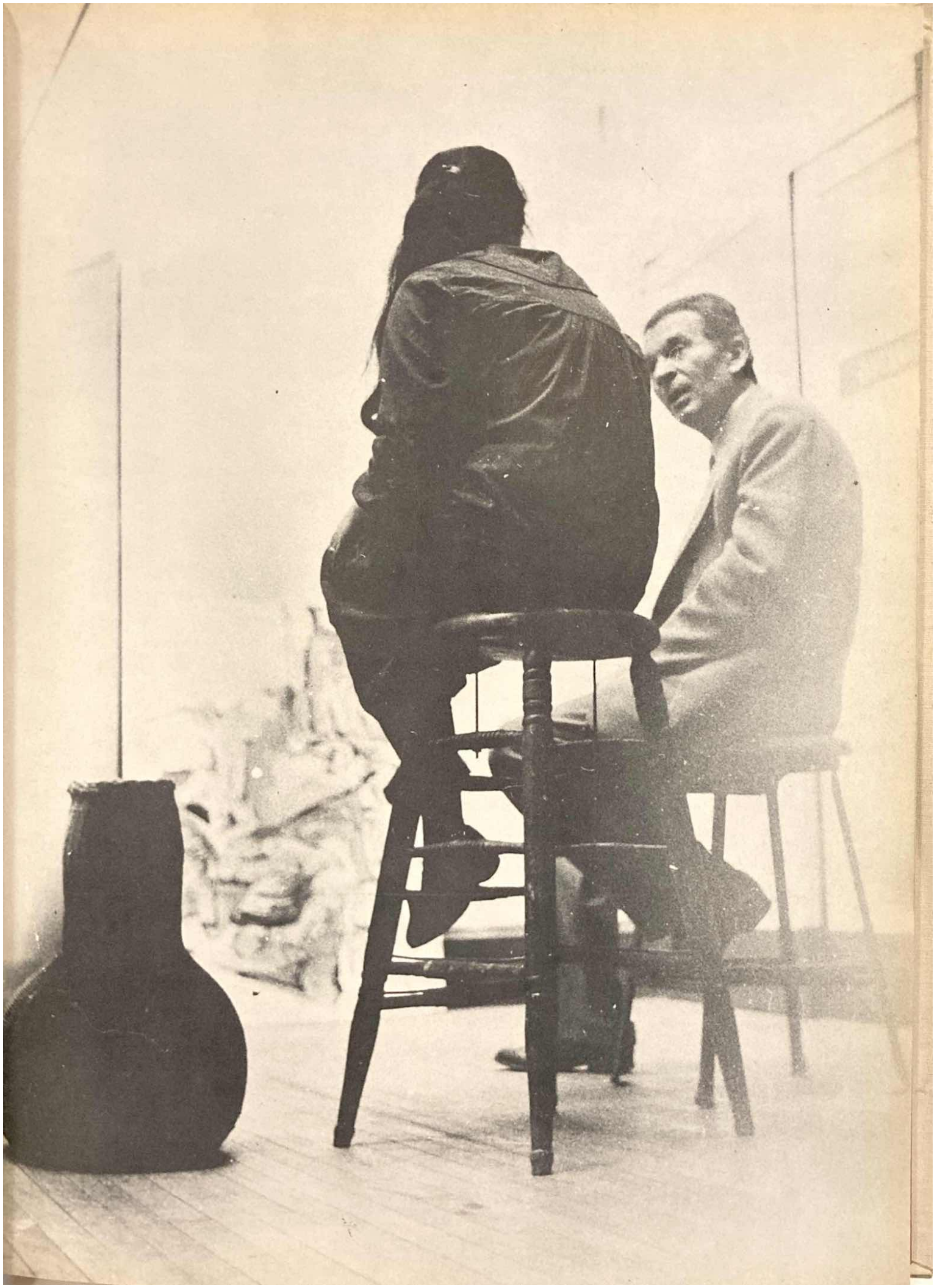


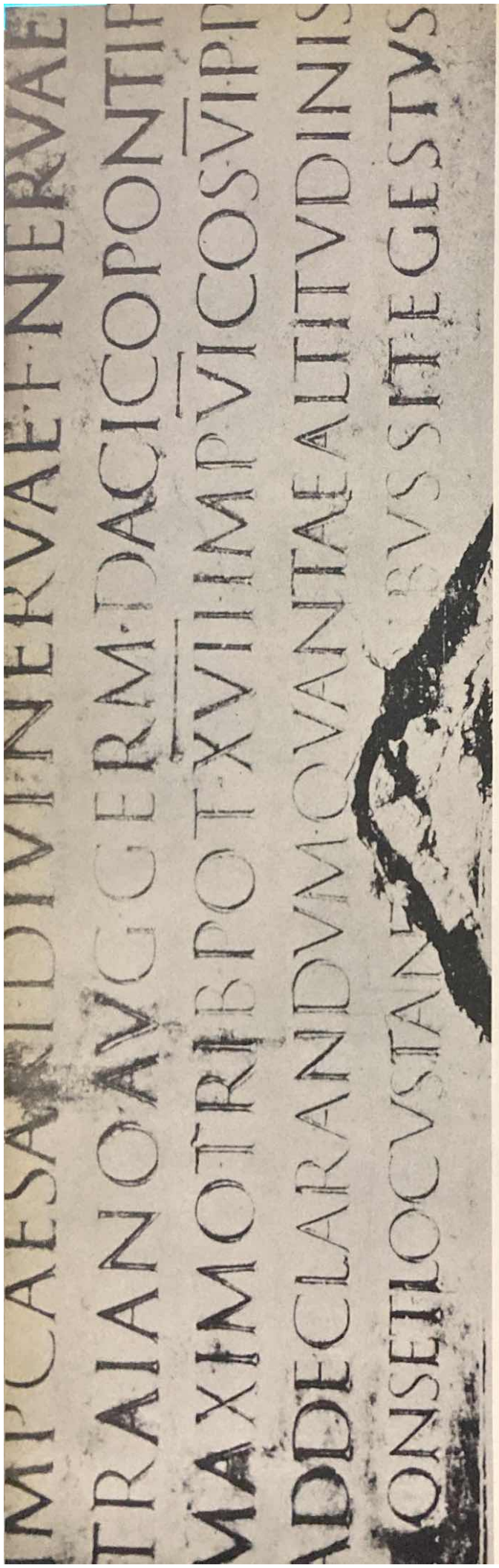






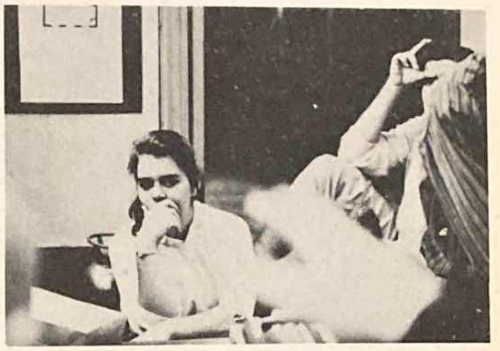
Some of us make etchings. Some of us make books. All of us make mistakes. This is how we learn. Our minds become filled with Freud, with Joyce, with the knowledge of men who have made a mark on we who make marks. We must discard many ideas before we arrive at one idea which we must also discard. There are many people in a few rooms and we have an art school . . . kaleidoscopic color underneath a skylight in a sea of turpentine, linseed oil, and damar varnish (in equal parts, of course). There are many people in a square of beaverboard and benches and we have a lounge . . . grayness punctuated with the color of paint spilled on old dungarees . . . A cold, wooden place which we must make warm with our own good humor . . . And we laugh. We laugh at a certain guillotine sort of gedarum (known by the rest of the world as a garbage can) . . . Catch Richter in it. Legs too long. Release aforesaid Richter . . . Ah, Honey — a much better fit! Gips and November wipe their olive drab hands on their natty olive drab chinos and each of them grabs a side — S W I N G — The gedarum rolls and swings and skitters, blonde hairs in mad array flailing furiously above its dark confines . . . Silly sort of nonsense according to Dave Lunn who can barely hear "Leadbelly" on the phonograph . . . 3:25 *and we must flee the*

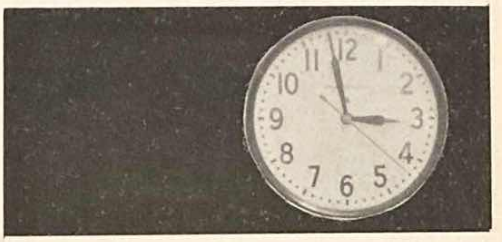




confines of the lounge for the confines of the classroom . . . doing so as quietly as possible to avoid disturbing the gentlemen on the seventh floor who would rather we had done so ten minutes earlier . . . Oh well, back to Graphic Techniques . . . It's time to give Larry his weekly acid bath . . . Who's going to scrub his back? It's amazing how much one can learn about Progressive Jazz and Zen Buddhism in Mr. Kuhl's class. After all, we must be "inspired" in order to create. We have a product to sell. Maybe hand lotion. Maybe ourselves. (Preferably hand lotion) . . . The inquisitive mind of the searching student . . . When was form invented — 1956? What's a Grushkin, anyway? QUIET — Ray is communing with the Renaissance . . . But beware, beware the intercom-intrigue . . . It's 3:30 — *time to wash brushes!* 12:30, 1:30, 3:00, 4:30 — *hours which have the same meaning each day — an unchanging sequence . . . There's snow on the skylights. There's spring on the skylights. Good Lord . . . is it June already?*

W O I M

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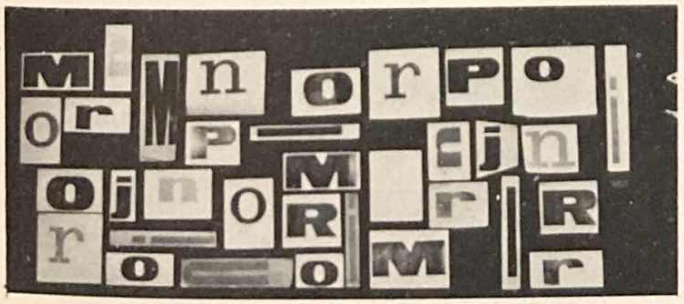
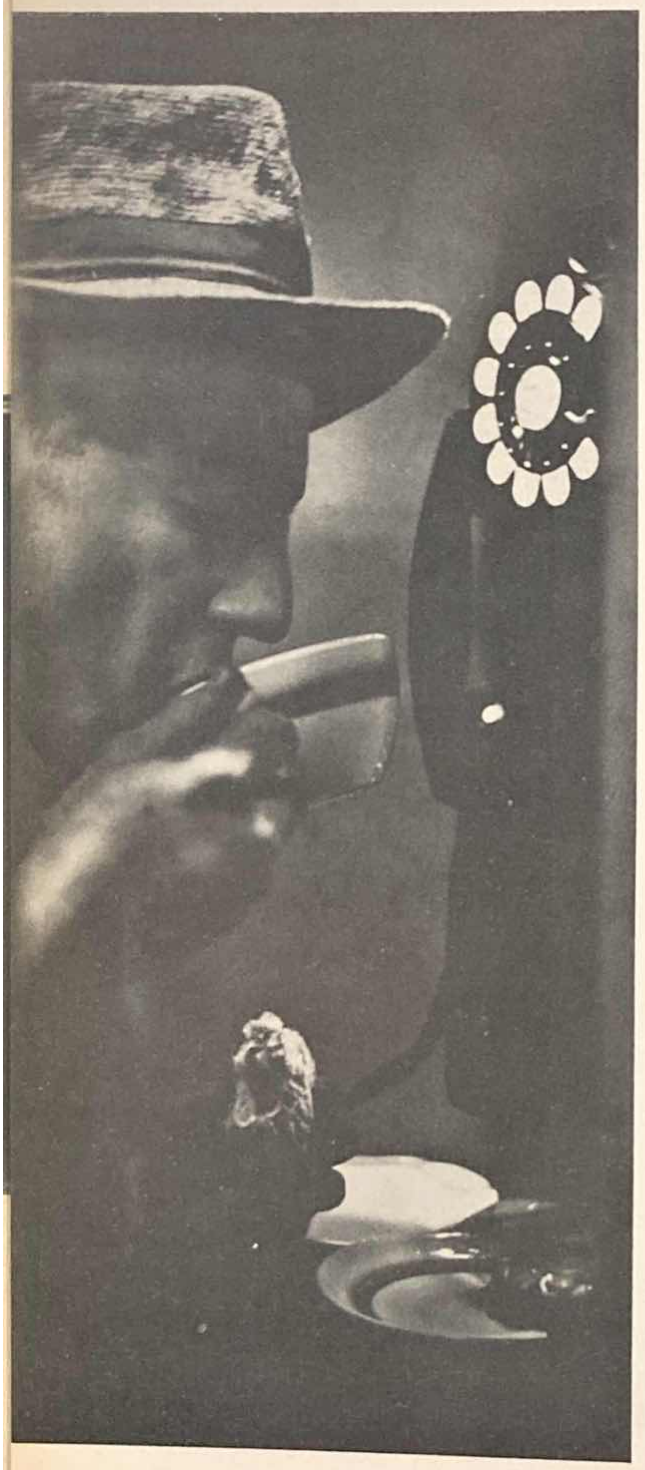
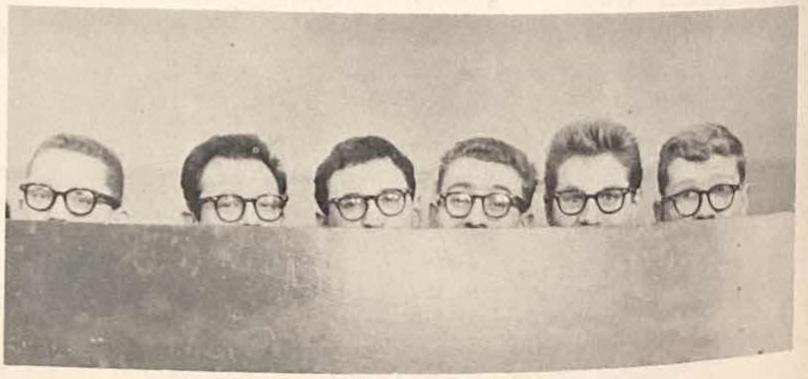
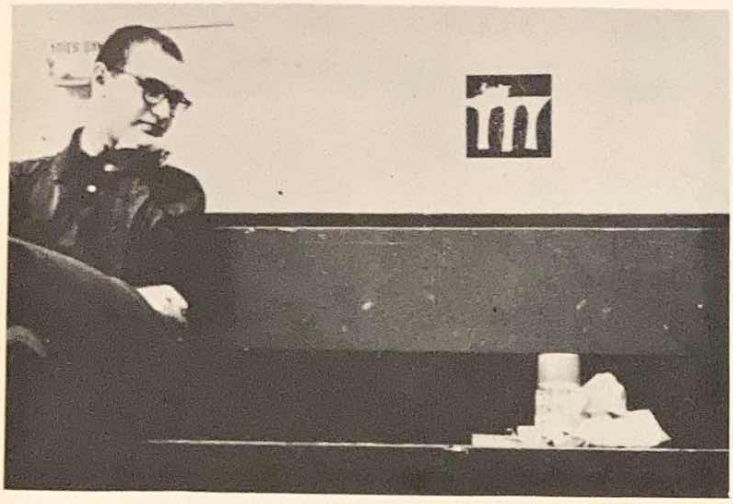
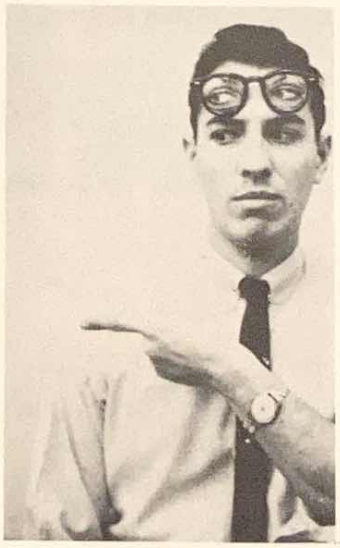
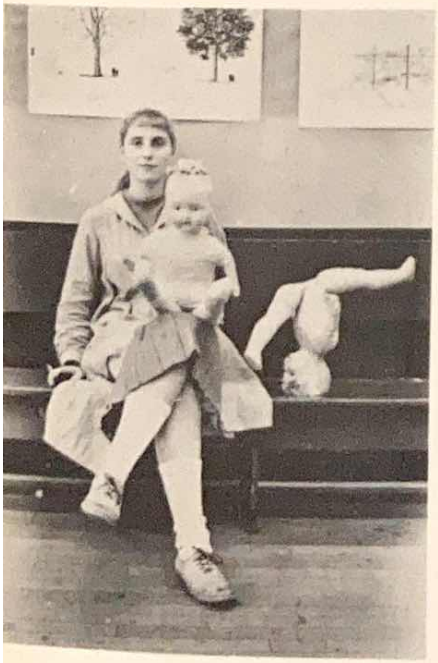


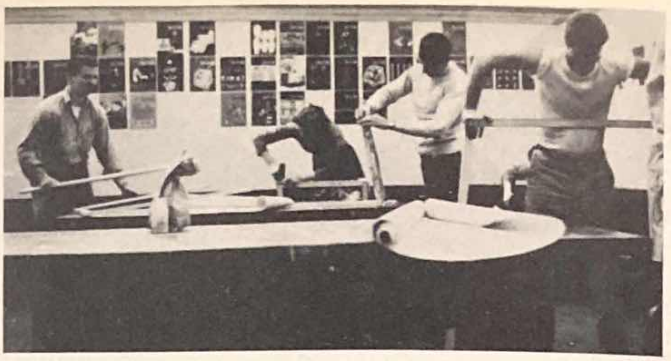




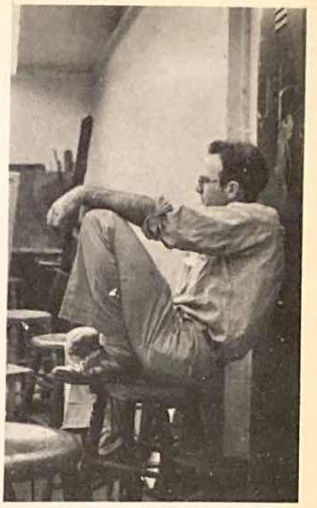


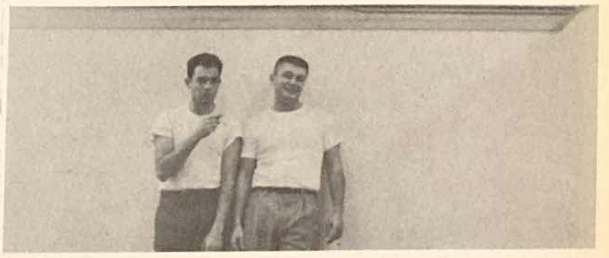


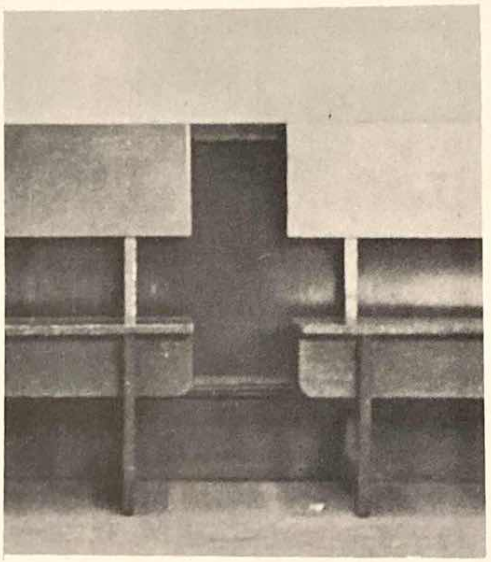


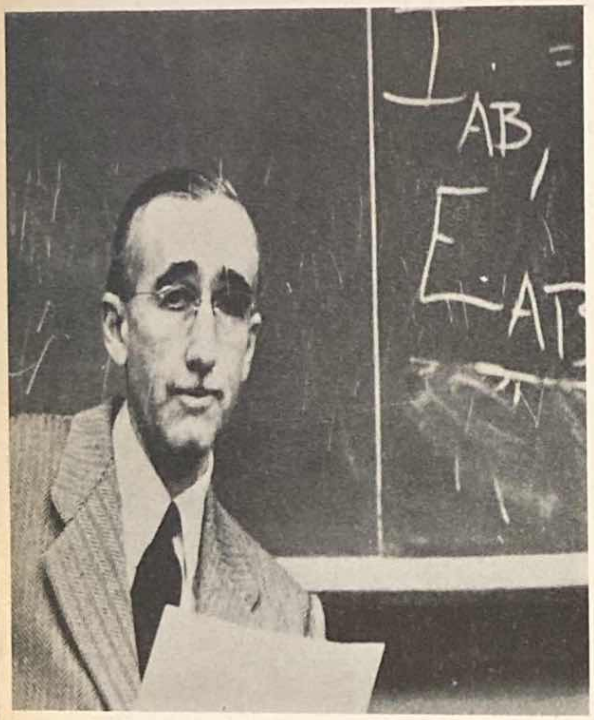


I LIKE ELVIS





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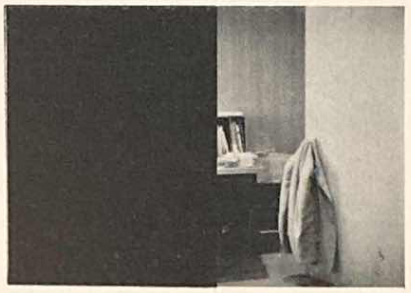

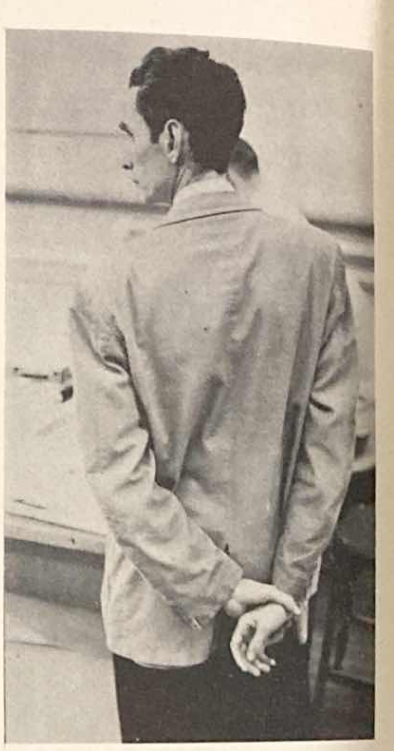

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Milton Alpern
Leo Amino
Arnold Arbeit
Louis Axelbank
Hobart Baker
Will Barnet
Betram Bassuk
Charles E. Baxley
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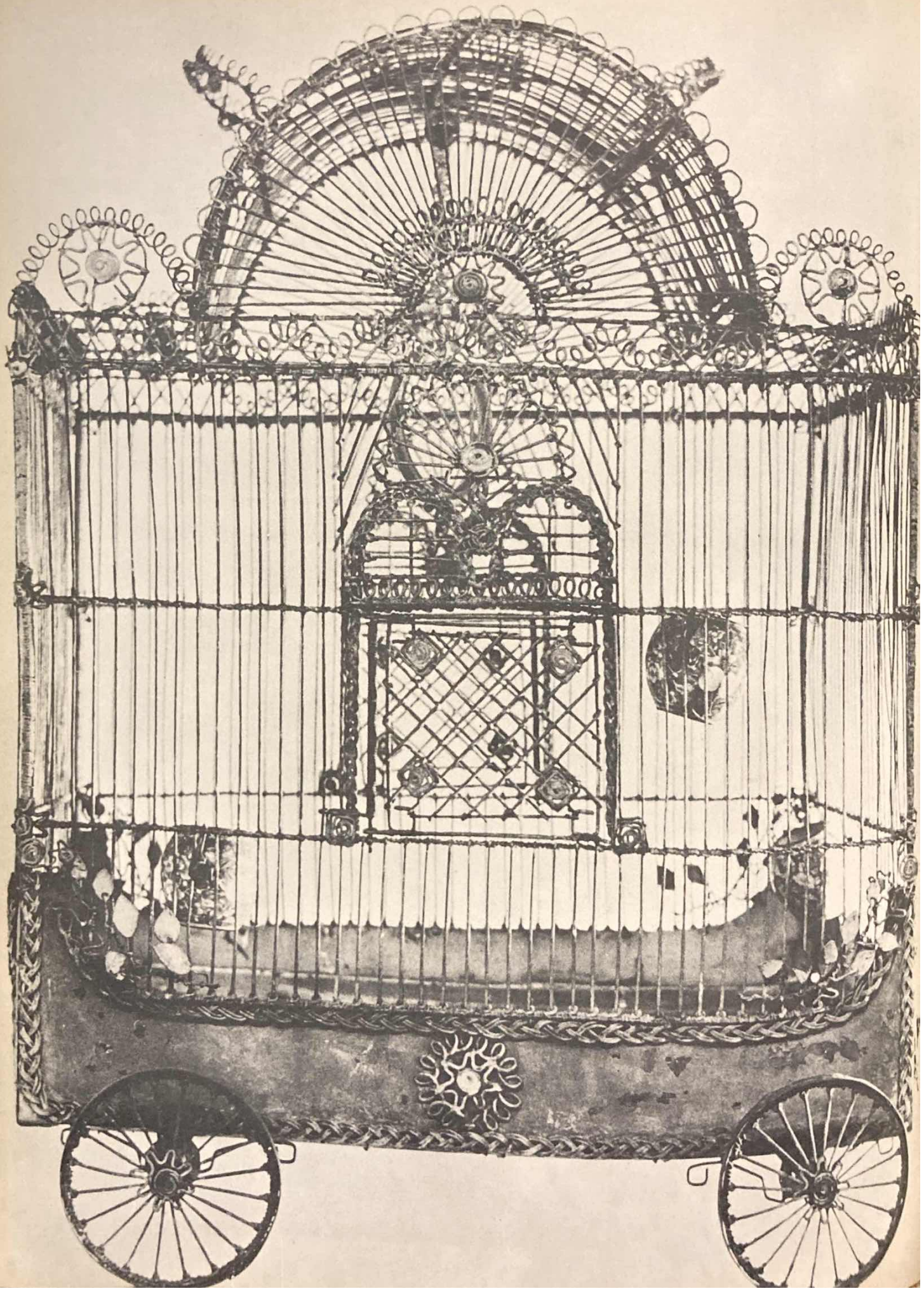
Adja Yunkers
Matthew E. Zaret
Morris Zeitlin
Paul Zucker



Established as a place in which to seek knowledge, the library has become more than that. It has come to be a Coscia's without coffee, a place where students often gather to talk, work, eat lunch or just stretch out on a couch and relax. But there are quiet times when the library becomes once more the silent storehouse of knowledge. Here one feels a unity with all those who have dedicated their lives to the pursuit of knowledge. Here beats ever an unheard pulse, emanating its rhythmic pattern, so quietly, so unmistakably; recalled by silence, how shall it be remembered — or forgotten?

Twenty-eight centuries still live in the museum. Attic vases, Greek urns and Japanese bird cages create an atmosphere of timelessness and contemplation in which one finds peace and stimulation. One is reminded of other times when life was calmer and hands worked with certainty their intricate patterns.

An evening festival: the doors open, and the Great Hall fills with a diverse multitude. All about, there hangs an air that is scented with a century of ideas. What delights the thought? Music, nations, drama, science: stimuli to the routine-burdened mind. Here the ancient is revived; here the newly-conceived finds expression. The piece is said; the seats are emptied. Into the street passes the multitude, a new song on the lips, a new vision before the eyes, a new thought on the brain, a somewhat different view of the world.

A little boy

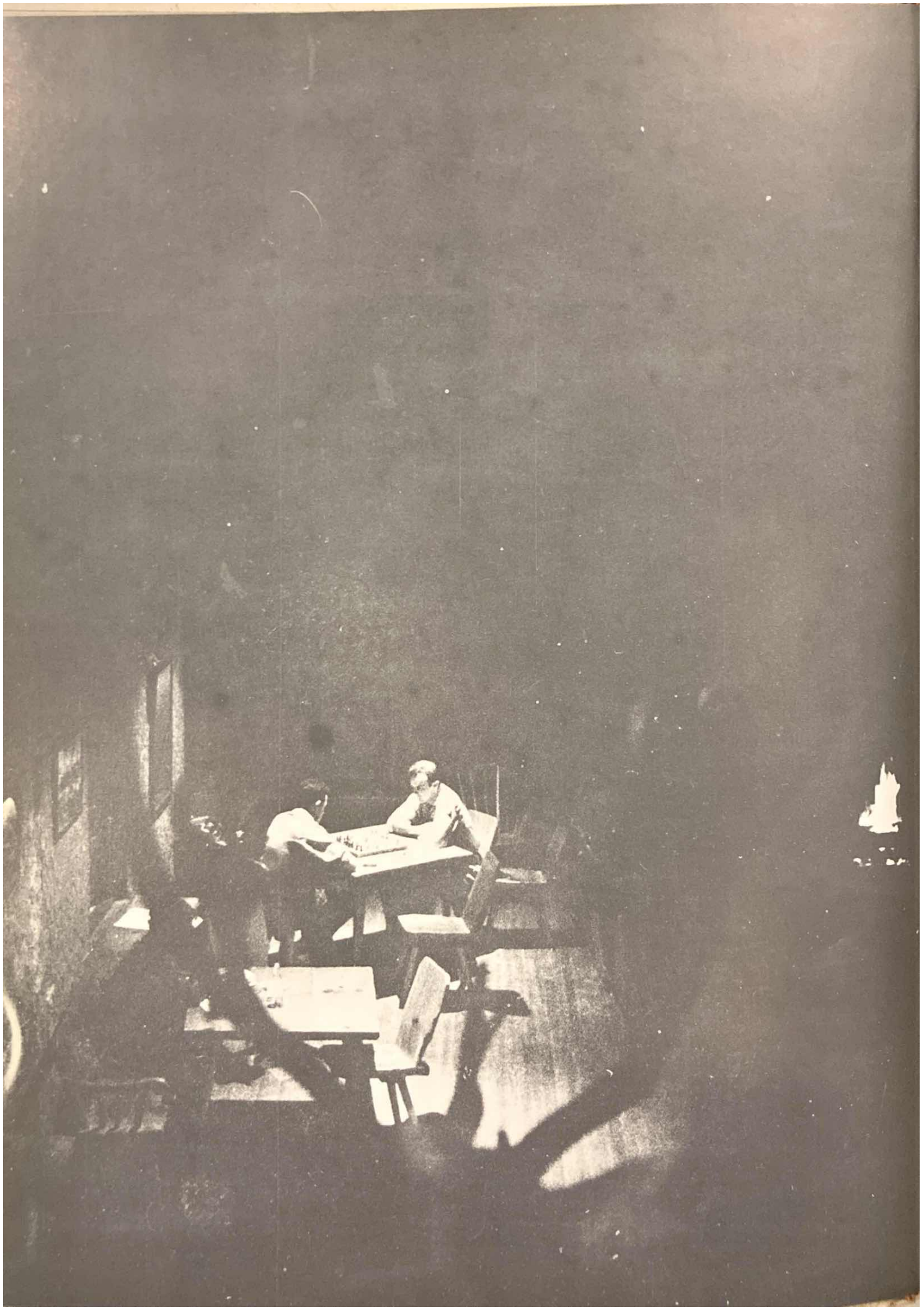
built a river out of trees and pebbles of laughter —

he painted it with knowledge and caused it to flow with thoughts

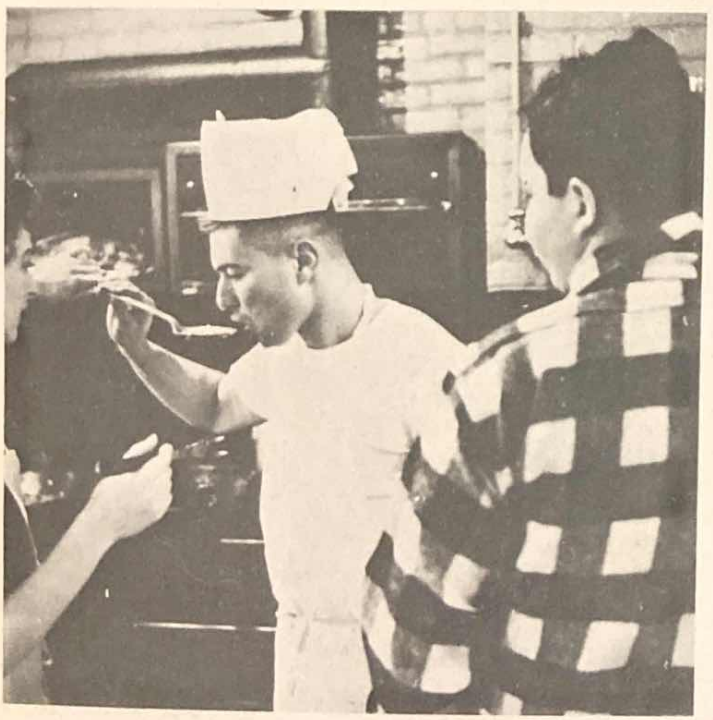
and he saw that it moved and changed and grew

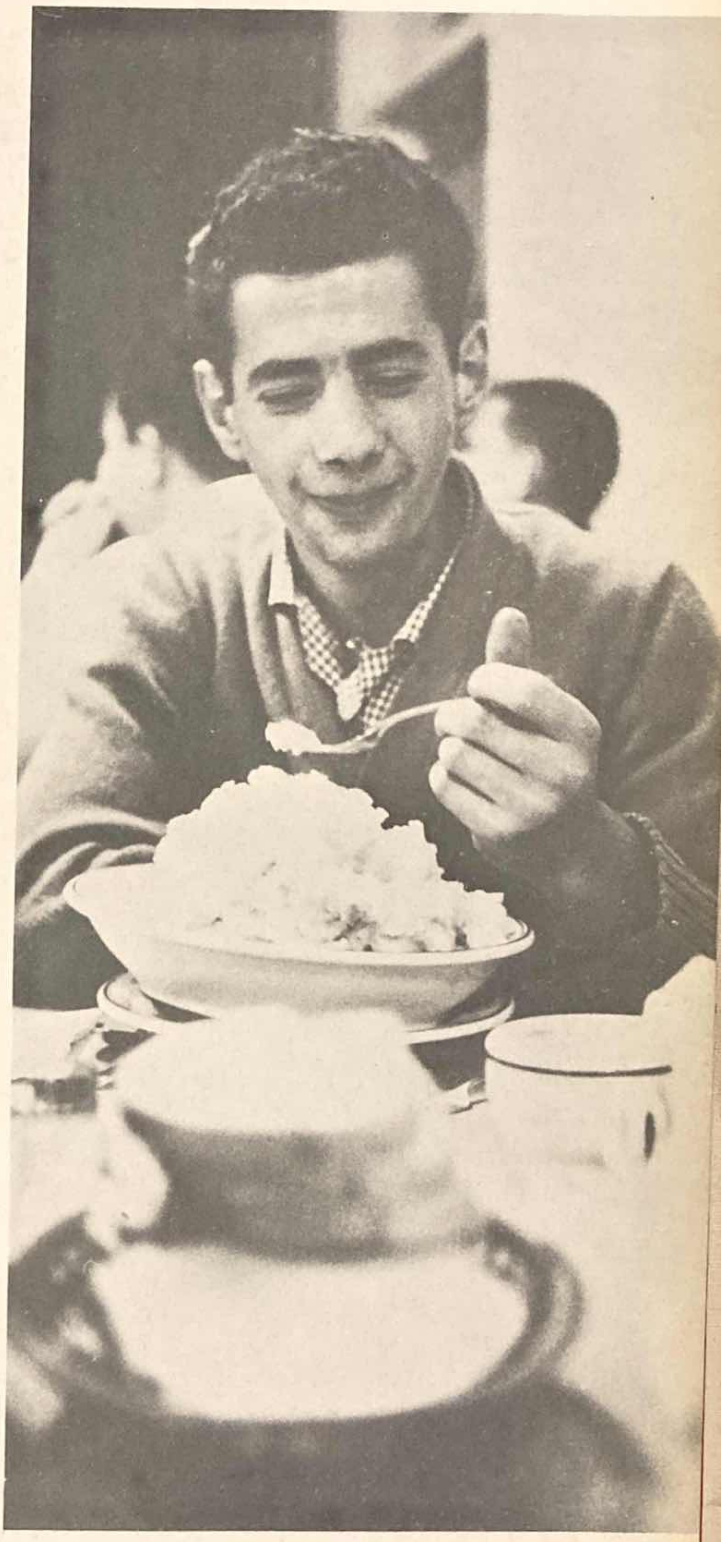
gathering more of itself along its paths

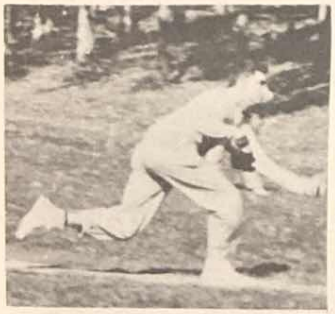
and he saw that it was good.

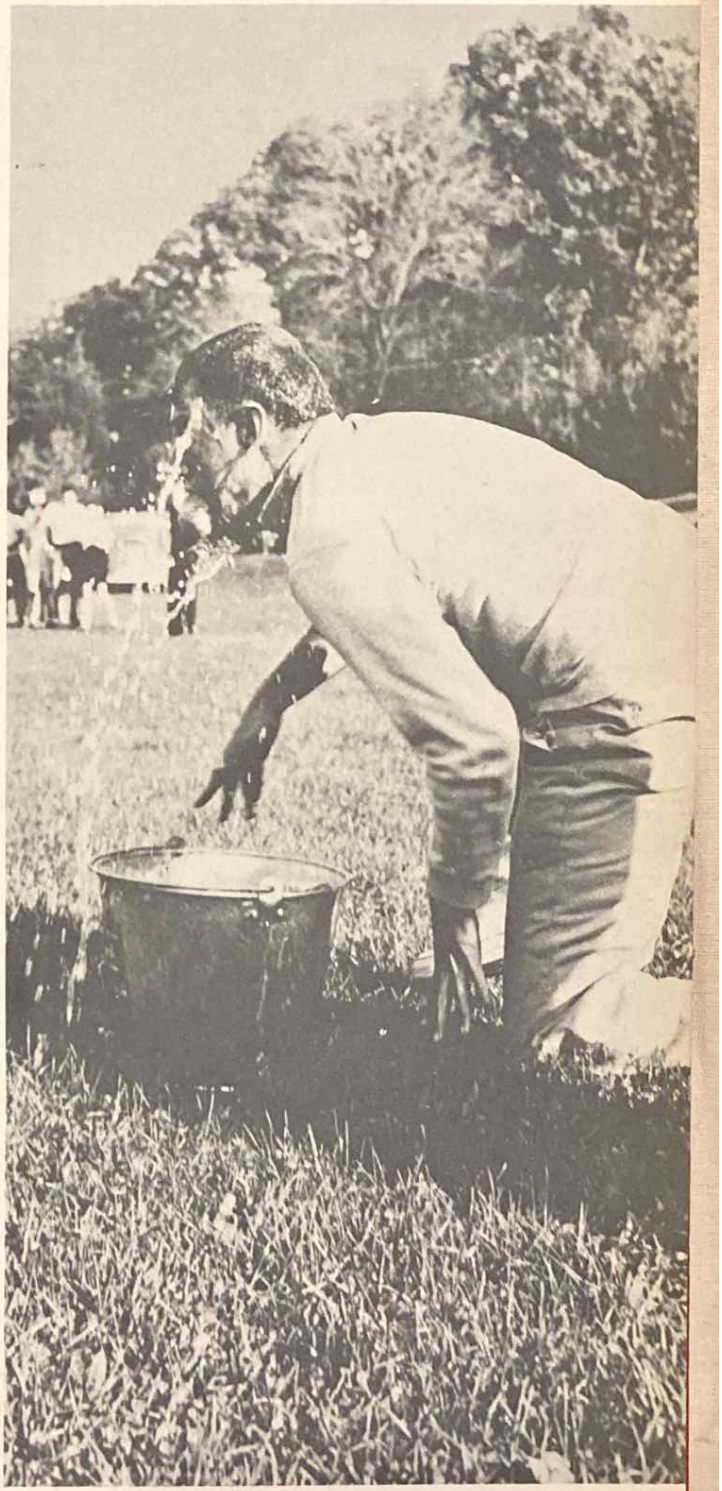


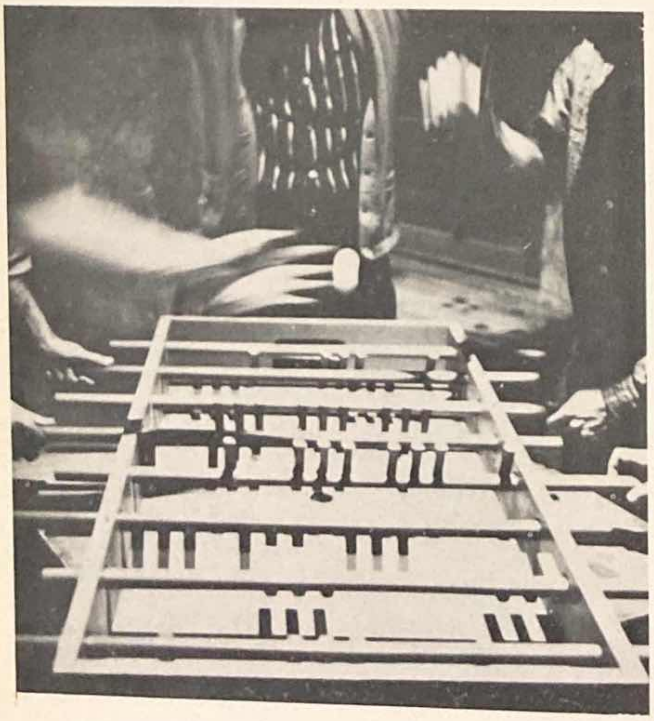
A quiet place: A big room, a bench, and a deep warmth not only of a fireplace. Flames stir up thoughts out of blackness — thoughts of a someone who is becoming you. Sing a funny song and laugh a new story and feel old, old feelings. Run around all day and sleep all night or sleep all day and play cards all night or stay awake all night and all day, because something is always happening. This is Camp. And more: a place to go swimming in May or tobogganing in January, or to play basketball at six in the morning . . . a tree, grass and a lake. Some of us read and some of us sketch and some of us play, but we are all aware of a certain uniqueness in each hour. Maybe it's a coed trip — just walking, hand in hand in the autumn; maybe it's laughing and shouting in the big kitchen (where the spaghetti is never really burnt) or throwing rocks into the river because you feel like it and no one will ask you why; maybe it's dancing in Hewitt Hall or singing folk songs around a late fire. After weeks of doing things for a reason, you do things because you want to or because you don't want to or just because.

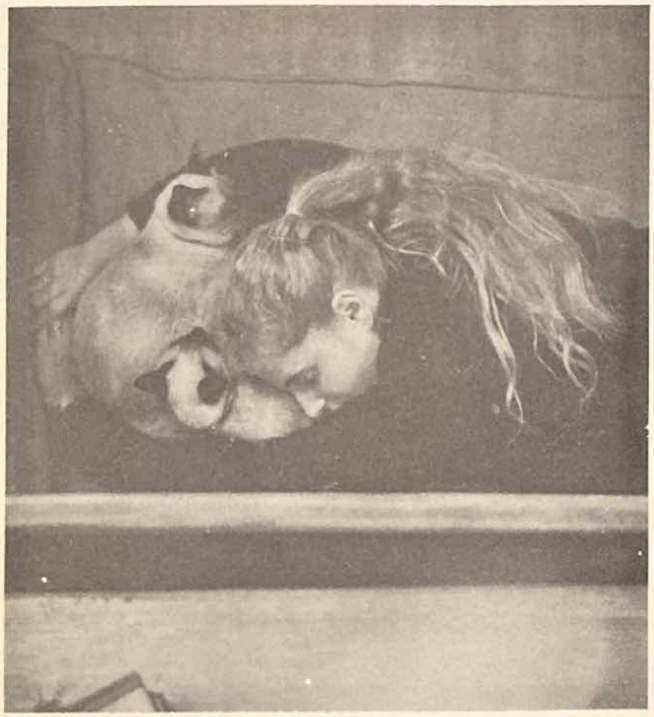


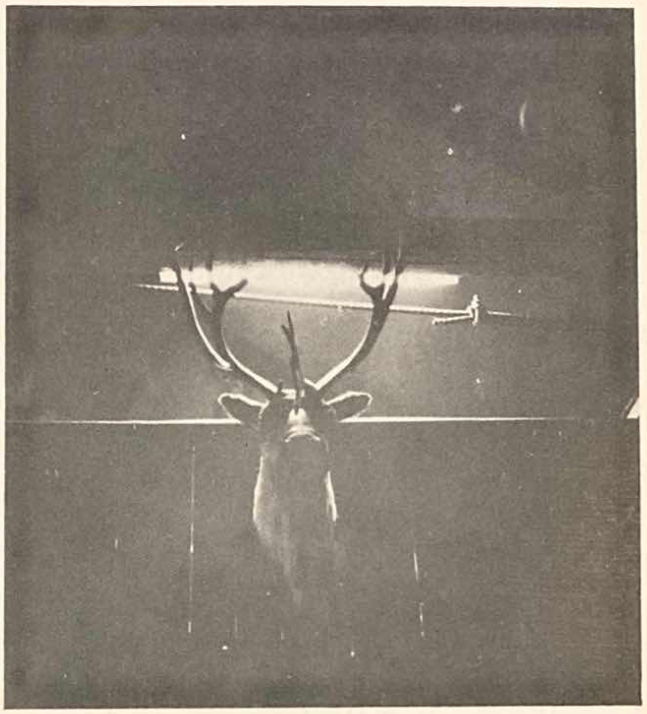


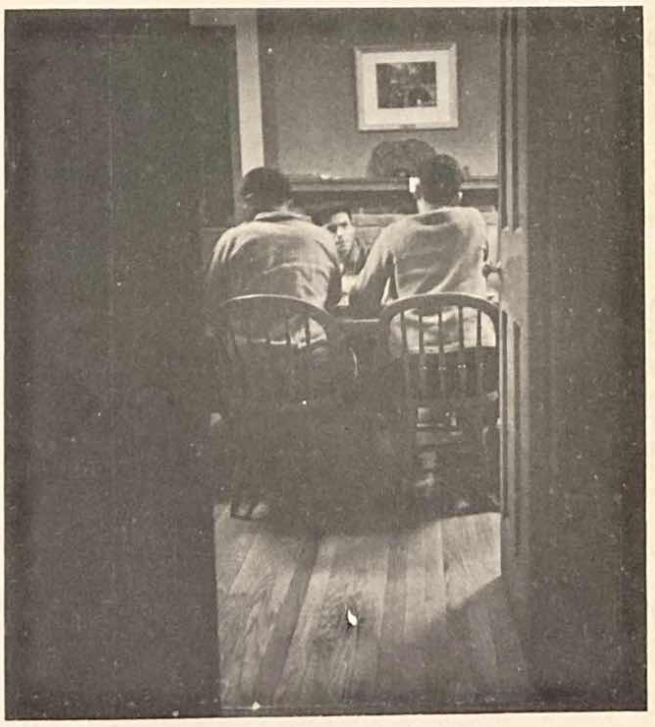


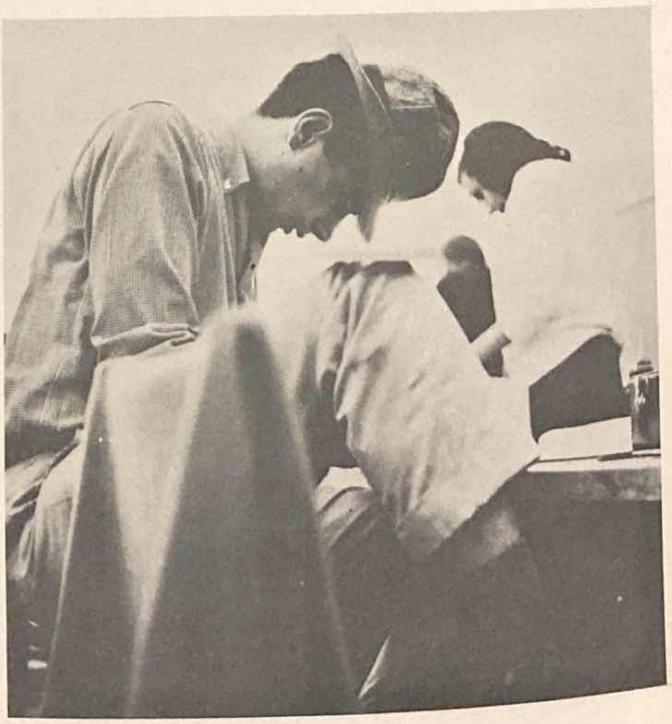


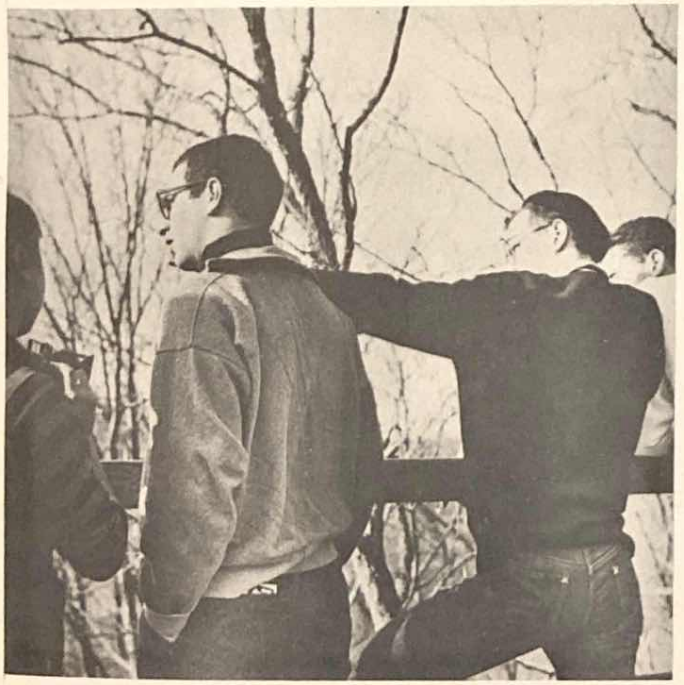




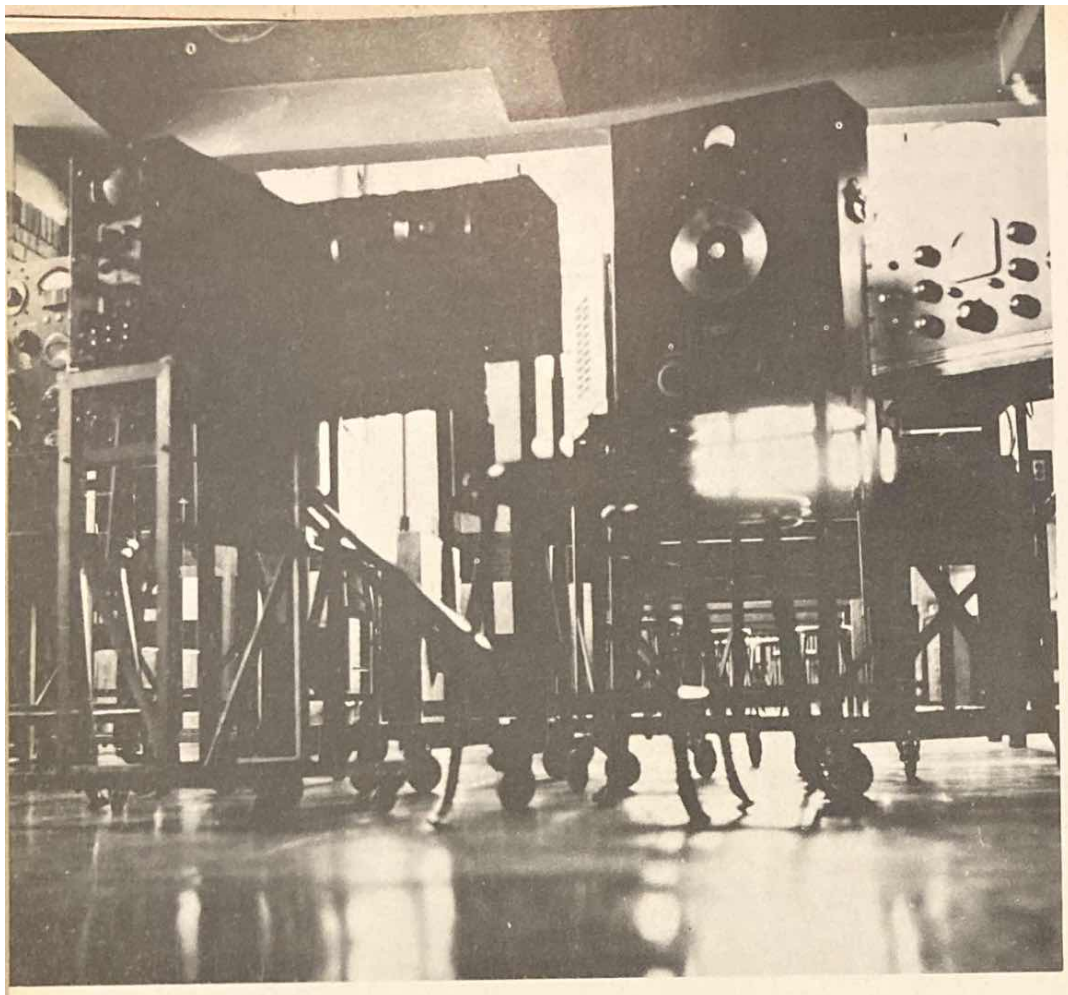




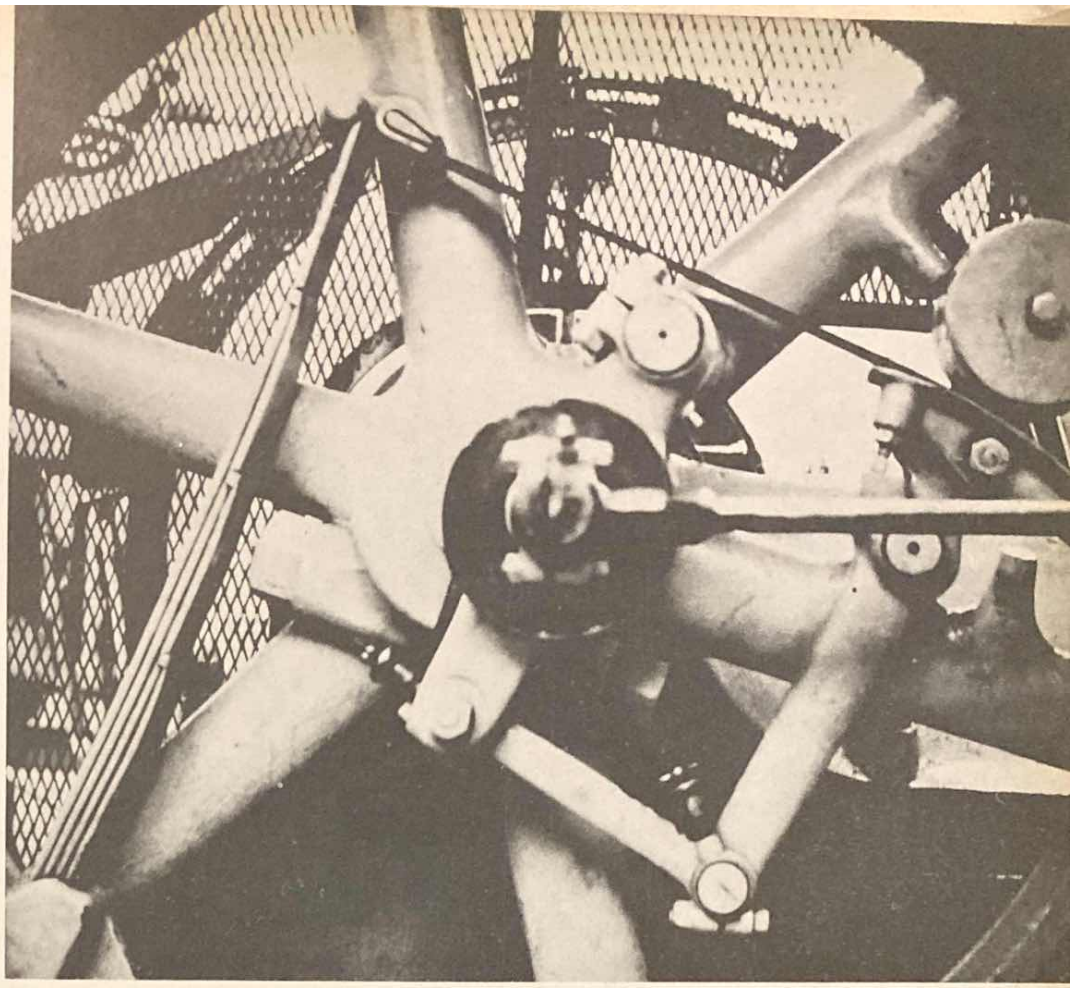




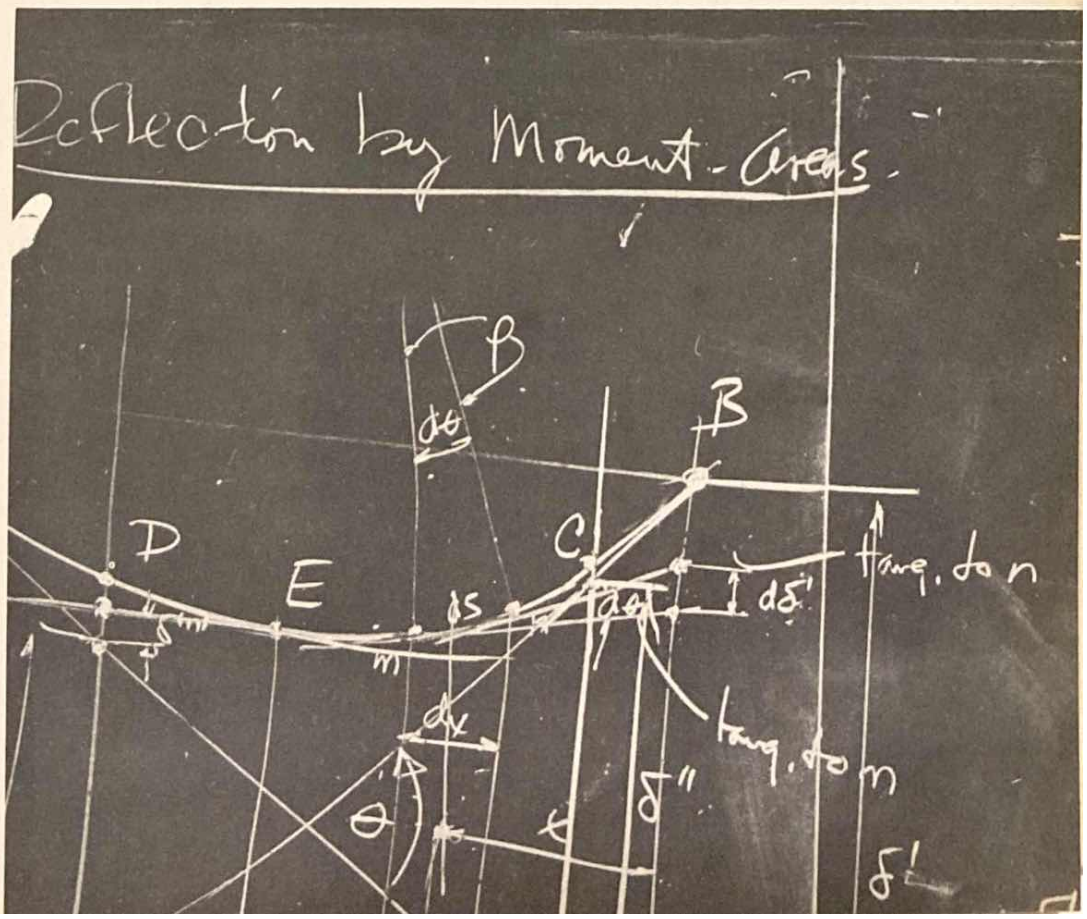
Greasy old decks of cards pass hours of glory in a smoky, pine-panelled room while half-finished projects share suitcases with overdue homework. Winter twilight becomes early spring evening, and some of the faces are new and some are the same; woolen ski sweaters become T-shirts and blouses. The fires die and are rekindled . . . the card games continue. And after the games end, someone is working at four in the morning on an assignment that must not be late and it's listen to the radio and it's listen to the crackling fire and it's turn in and do it tomorrow night. The sun brightens into summer and the returning faces grow tan. Summers are plumb bobs and range poles and why can't you level that transit. Summers are painted landscapes and little leaves, mosquiotes, sunburn and food from home eaten under cover of darkness. Summers are graduation and freshman orientation. We're a class poorer and a class richer, and everyone is getting to know everybody again. To help, there will be benches and fires, grass, games, a lake and long walks . . . the kitchen to be scrubbed, a battered piano, icy dormitories and that feeling of being out of the world for a little while — forgetting and remembering and wishing a little or a lot. Camp is all of this and some of this and none of this — Camp is people becoming.

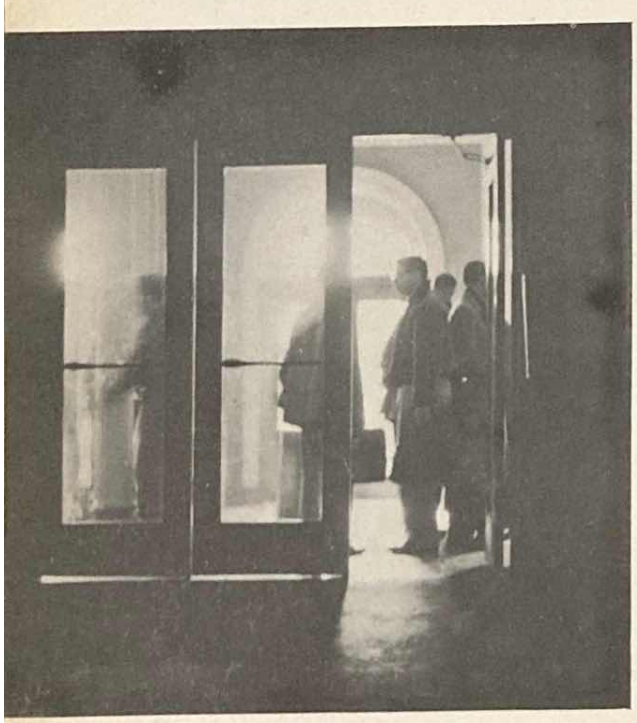


We are suddenly thrust into a world of strange

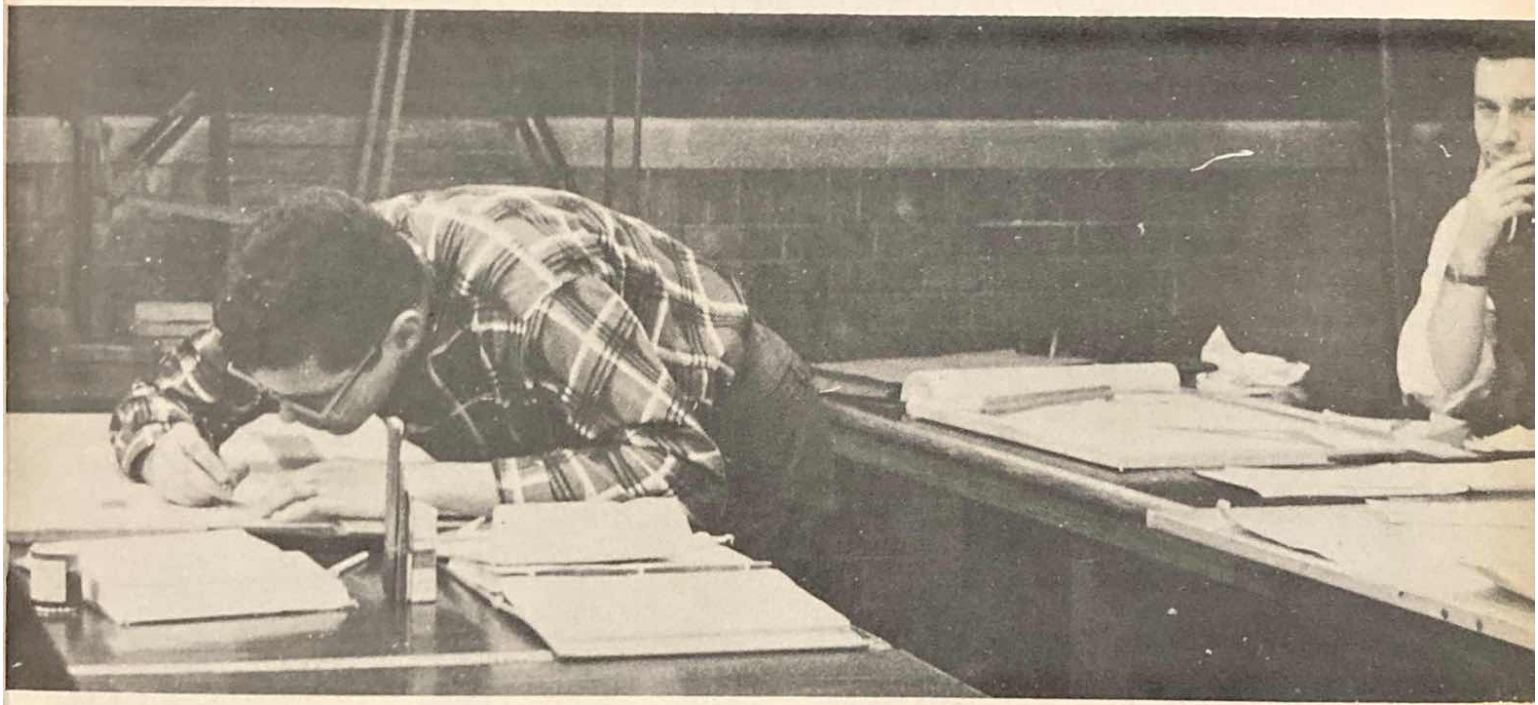


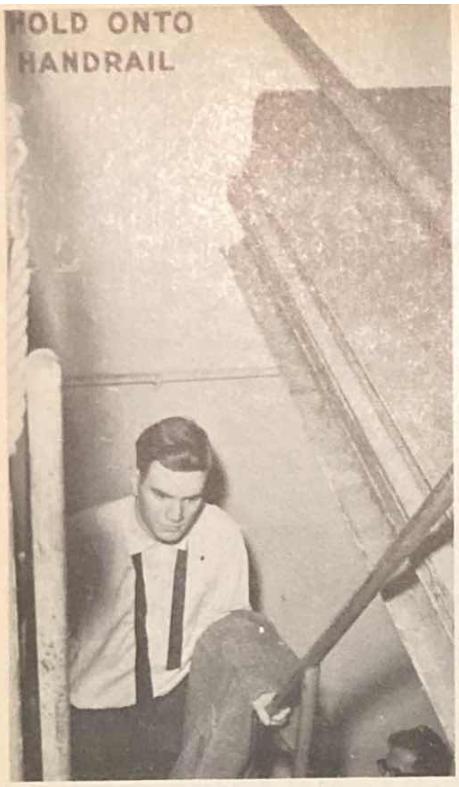
signs and unfamiliar configurations.

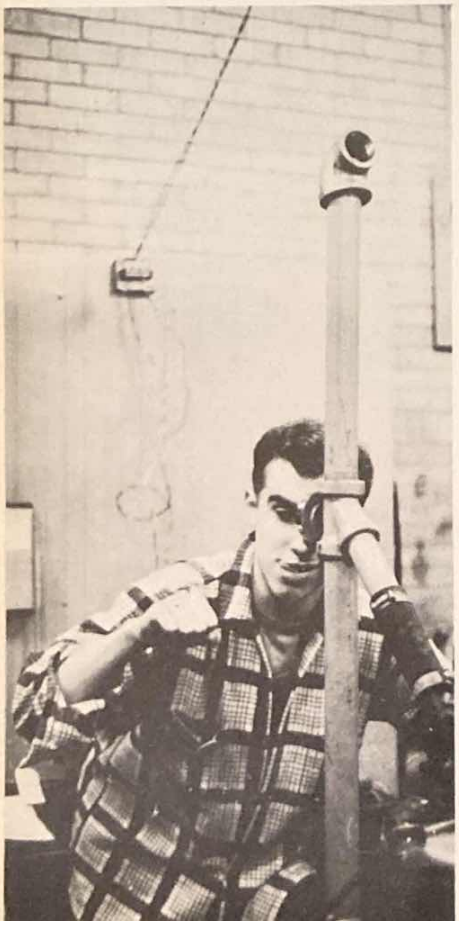


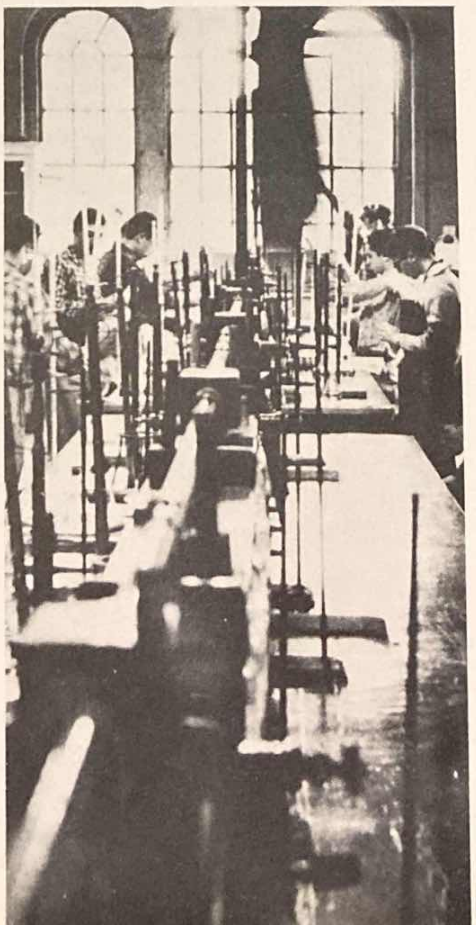


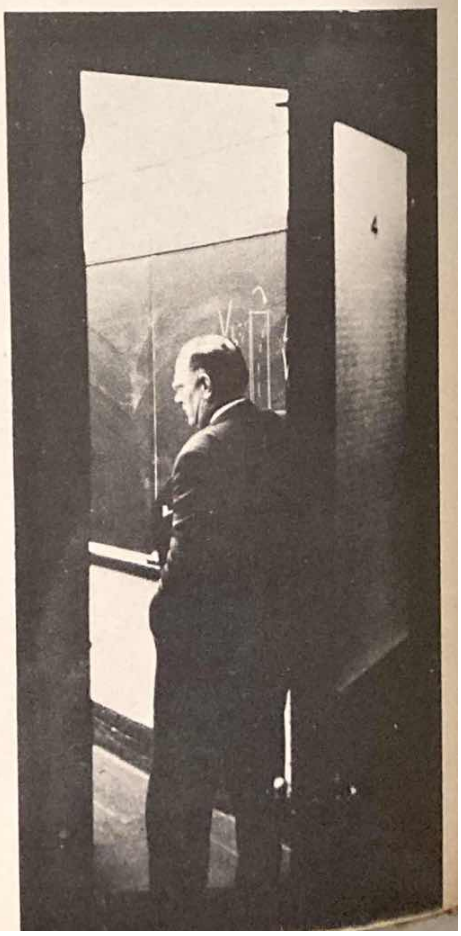
A year of soothing chemistry lectures and vaguely interesting physics experiments on a force board (one of OUR professors invented it — it's really ingenious; of course, you consider the ring to be weightless — that's an ASSUMPTION — always keep track of all your assumptions!) punctuated by frantic taxi rides to McBurney Y, a year of descriptive geometry problems and math (Look, Pop, I'm learning the calculus!) and then suddenly we're not freshmen any more. Physics is sophisticated now, and we're not exaggerating when we call Math IV abstruse. But something else is beginning to happen. The guy who sits next to us isn't the guy who sits next to us any more . . . he's Ed,

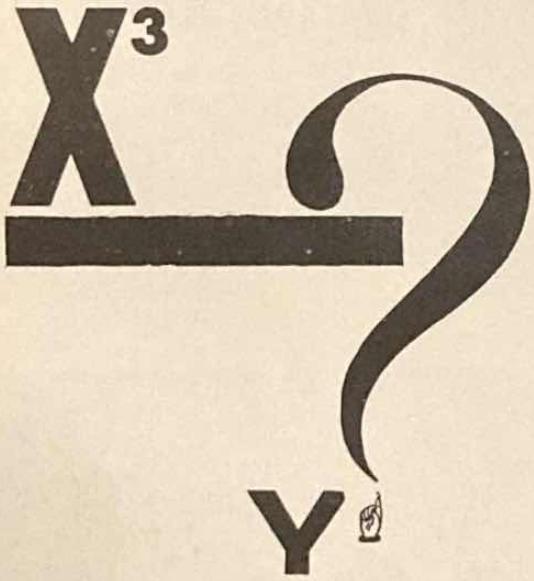



HOLD ONTO
HANDRAIL

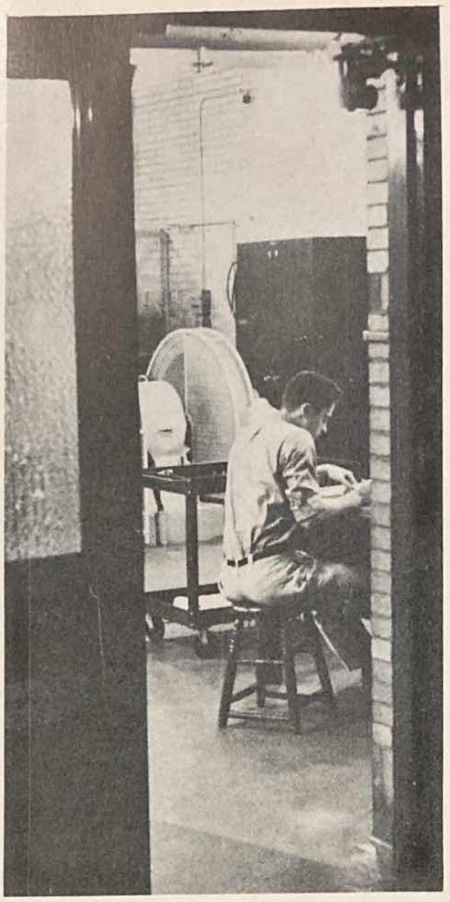


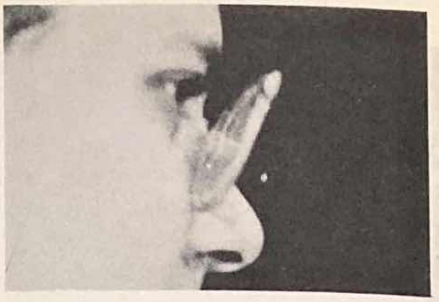


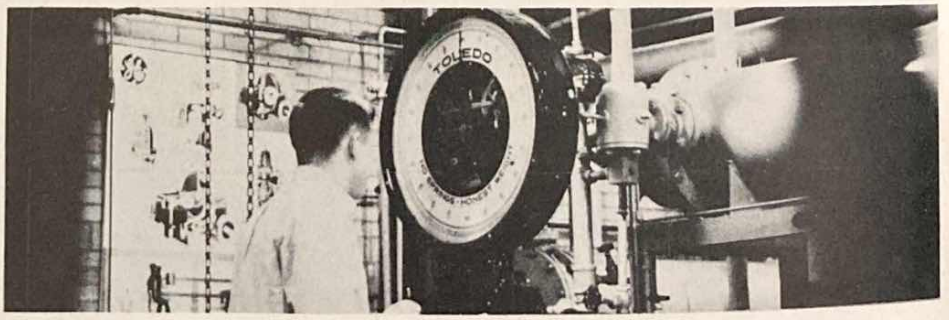




and we're getting to know him. We spend a lot of time together. Sometimes it's days and nights talking, working and griping, talking, working and laughing, and working, working. The project due in three hours and nothing done since September and everybody giggling over the phone at six in the morning do you know it's dawn in the Bronx, c'mon fellows let's be serious the world ends at nine forty-five, we've gotta be serious now, let's all walk in in pajamas. Sometimes it's time to file in and take your papers gentlemen alternate rows alternate seats alternate flunks, sweat, rub hands on trousers flannel's sticky in the summer pencil slipping, sweat . . . . sweat and walk, step step step sweat step sweat sweat ready to run I knew I shouldn't of shaved sweat step step the man's an animal . . . and please hand in your papers gentlemen . . . and halt. But there's a time for work and a time for play it again and we'll sing a song of six pence a pocket full of rye with ginger ale for the boys in the back room. At last, there's a time to shine shoes and borrow ties and yes, sir, I'm very much interested in your offer in Wichita. And as suddenly as it began, it ends.






TOLEDO

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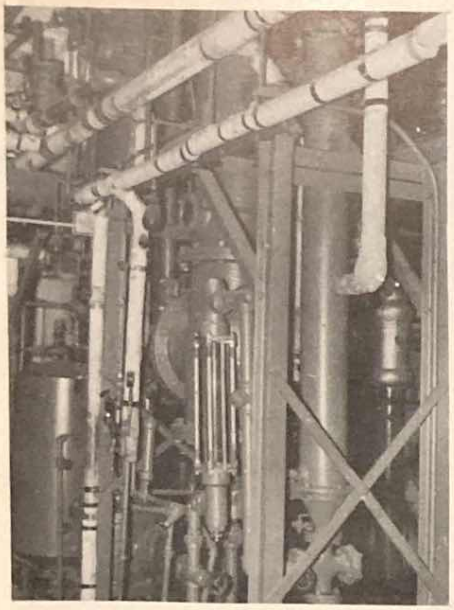

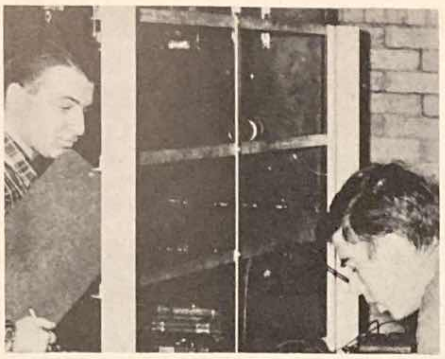

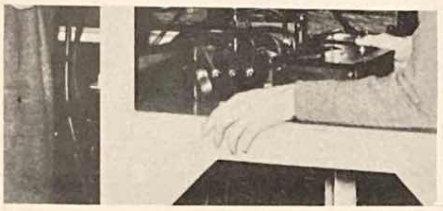

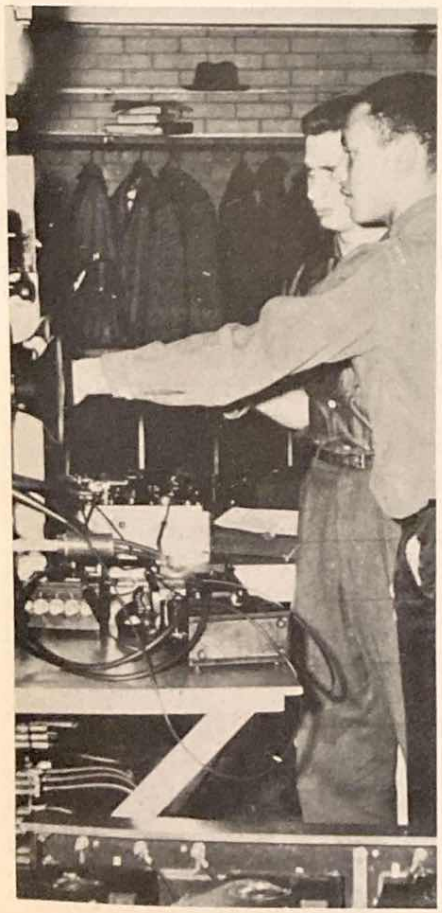

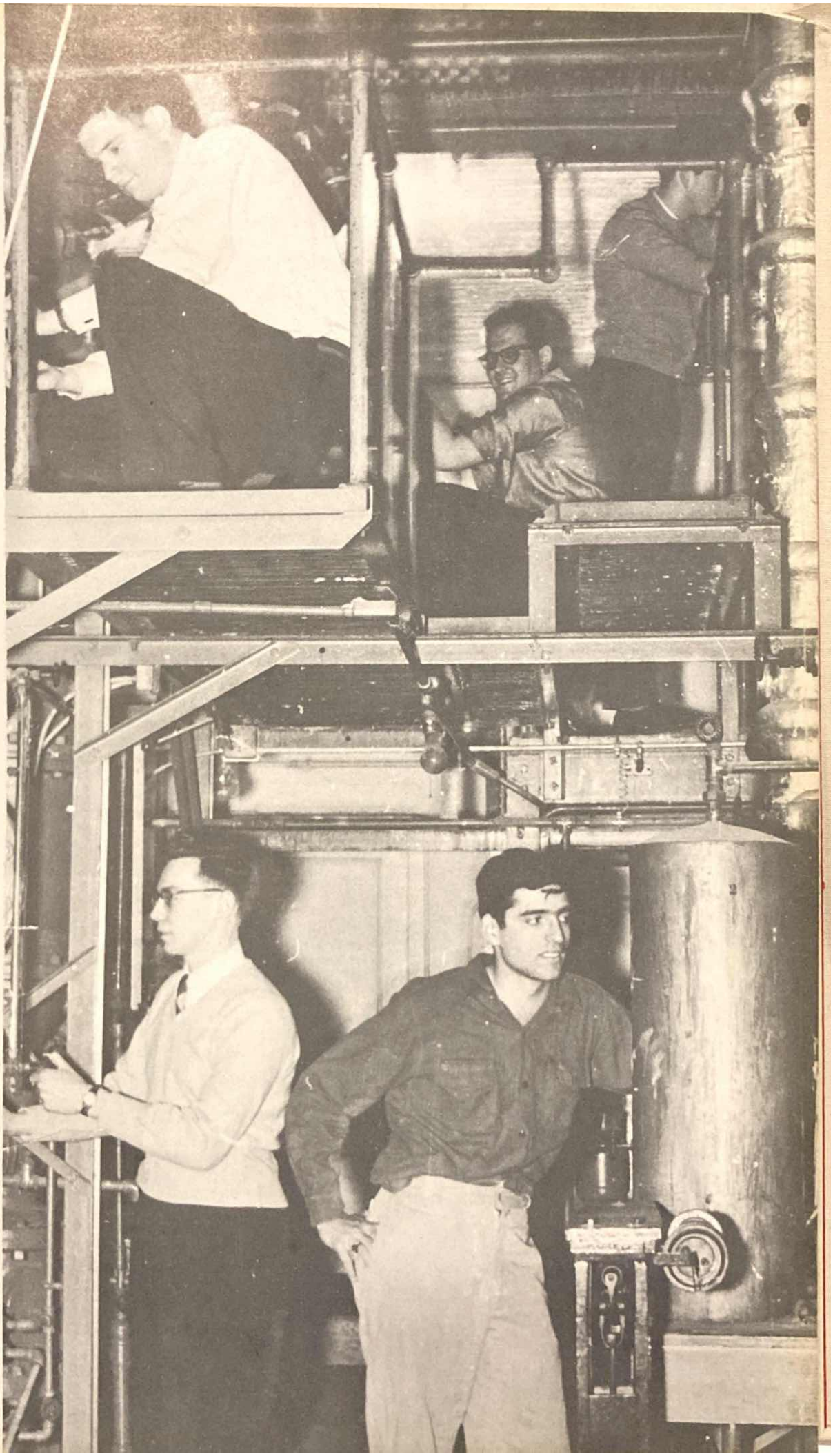

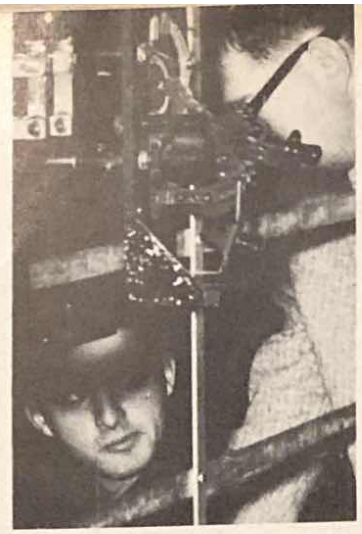

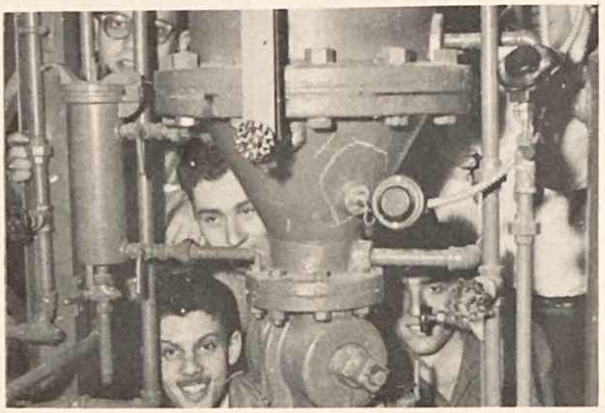

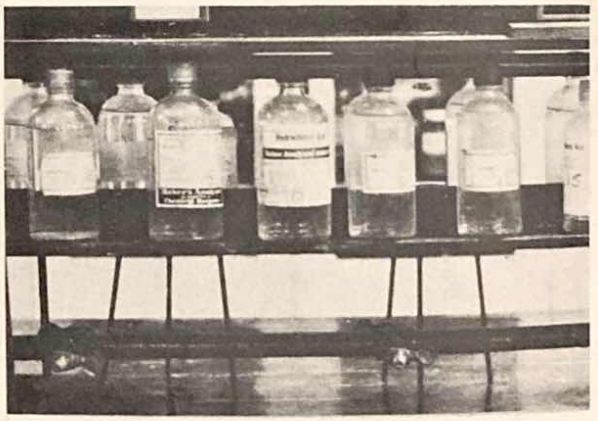

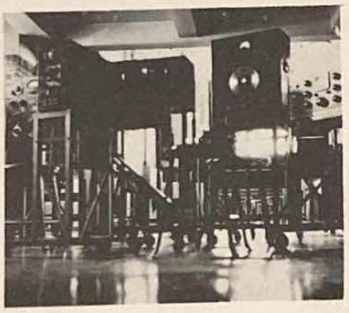

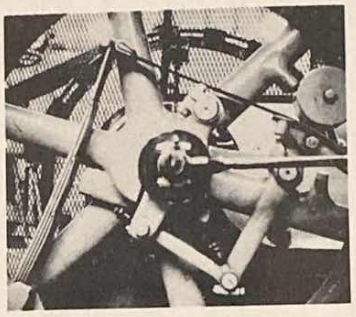

HARTZ
MOUNTAIN
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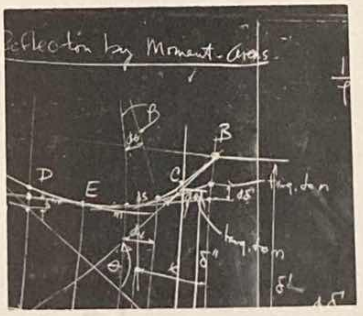
Reflection by Moment-Areas
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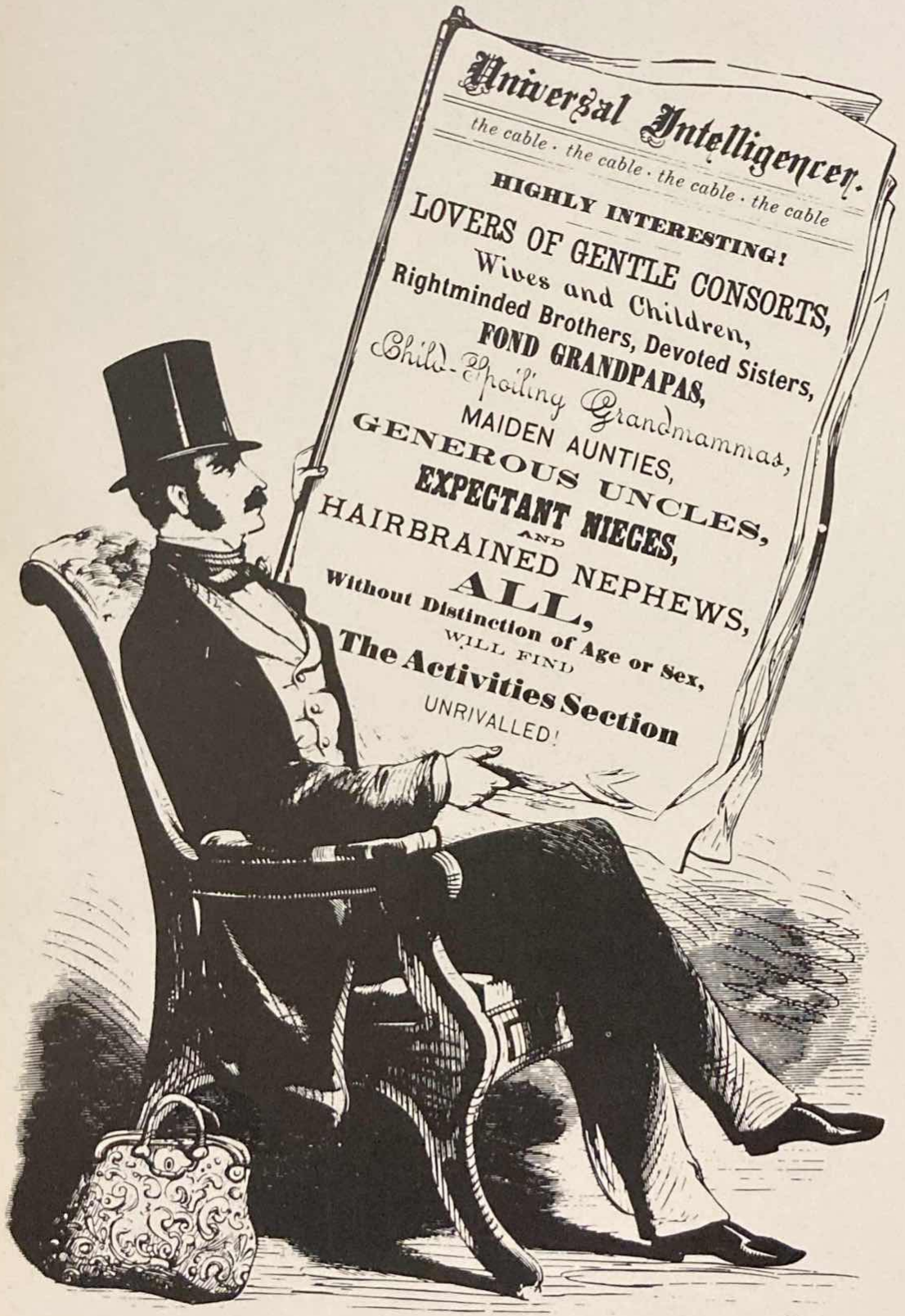

Universal Intelligencer.
the cable · the cable · the cable · the cable
HIGHLY INTERESTING!
LOVERS OF GENTLE CONSORTS,
Wives and Children,
Rightminded Brothers, Devoted Sisters,
FOND GRANDPAPAS,
Child-Spoiling Grandmammas,
MAIDEN AUNTIES,
GENEROUS UNCLES,
EXPECTANT NIECES,
AND
HAIRBRAINED NEPHEWS,
ALL,
Without Distinction of Age or Sex,
WILL FIND
The Activities Section
UNRIVALLED!

STUDENT COUNCIL — The Cooper Union Student Council, finding itself with the usual task of bringing extracurricular activities to a subway school, attempted to carry out its aim by co-ordinating activities, calling the attention of the student to student government and the extracurricular program, and uniting the Art and Engineering schools to a greater extent.

Primarily, this was a year of change and exploration. The Council inaugurated a pre-registration Leadership Session at Green Camp to get the various school activities off to a flying start. Furthermore, the Art School Picnic Committee was created as a means of introducing the Art School students to Green Camp. A campaign to bring about student control of student activities at Camp appeared to be succeeding, and the Council awakened many to the importance of student participation by leading a drive for ample student lounge facilities in the new building. The year of change manifested itself in a rewriting of the student constitution, which has given to the students the groundwork for broader participation in school government. As an indication of the students' ability to act in a sober, mature way, a clothing drive for Hungarian relief was conducted, and two hundred pounds of clothing were collected.

SOCIAL ACTIVITIES COMMITTEE — Thanks to Don Kisner's uncanny facility for assigning much of the dirty work to his subordinates, the Social Activities Committee achieved a surprising success in its activities. While Don spent his time chasing Art School girls around the lobby under the pretext of getting them to do posters, the Committee was busily planning social affairs for the pleasure of Cooperites. The first of these events was the Barnstorm, at which the attending students enjoyed a return to the soil as they allemanded and do-si-doed to the expert calling of Cliff Bullard. The decor at the Barnstorm was highlighted by the presence of freshly picked leaves along the length of the hall. In planning the next affair, S.A.C. decided to depart from the standard Cooper dance formula. Taking its cue from the art students of Paris, it planned the Beaux-Arts Ball, a costumed affair. Strangely enough, the engineers (traditionally held to be unimaginative) provided the artists with stiff competition in the costume contest. The committee's novel approach to dance, combined with the new policy of free admission for A.P. members and the outstanding publicity work of Ernie Plopkin (nee Potvin), made S.A.C. a school-wide success.

ACTIVITIES PLAN — The Activities Plan, central co-ordinating body and source of income for all major extracurricular activities, operated under the leadership of Lester (Baby Doll) Minsuk during the 1956-57 school year. Admission to all social and athletic events was made free to A. P. members in hopes that greater financial success would result. The reverse proved to be the case, however, despite the effects of an increase in the subscription price, and A. P. made a success of the year only through the truly superhuman efforts of Les and his staff.

INTERFRATERNITY COUNCIL — The function of the Interfraternity Council is threefold: to co-ordinate the dates for the introductory smokers, to provide a forum for discussion of mutual problems and to enable the social fraternities to sponsor joint activities. This year the fraternities pooled their resources to finance a semiformal dance for all of the students. The success of the dance was assured by the vast hordes of salesmen (the total fraternity membership: approximately 145) which descended upon the school.

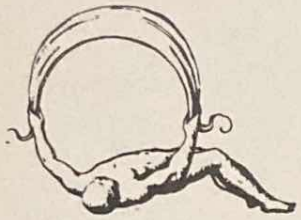
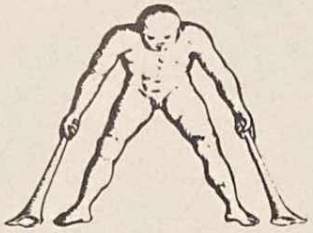
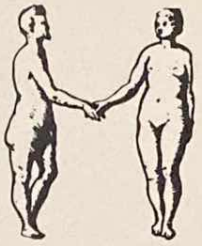
HUMANITIES CLUB — The Humanities Club is one of the few extracurricular organizations at Cooper which draws members from both the Art and Engineering schools. This is the logical result of the fact that the club is designed to appeal to the common interests of all students. Guided by Professor Embler and president Bob Goepfert, the club's activities, including the Fine Arts Committee, the Literary Committee, the Social Philosophy Committee, and the newly instituted weekly lunch-time concerts, have been instrumental in providing for the Cooper student an opportunity to broaden and educate himself along lines not stressed in the curriculum.

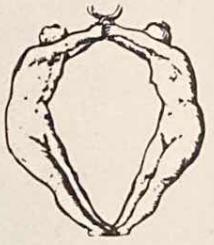
NEWMAN CLUB — The Newman Club, founded to further the principles of Cardinal Newman, is the Roman Catholic club at Cooper Union. Its object is the intellectual and social development of its members. Through its day and evening branches, the Newman Club sponsored many activities of a social, charitable and religious nature, including the annual camp trip, an orphan party, a communion breakfast, a First Friday Mass, ski trips and the publication of a newspaper, the Paraclete. The club also held weekly meetings at which time topics of interest were discussed by guest speakers. Activities were led by Ralph Ranalli, president of the day school branch, and Louis Tirelli, evening branch president.

HIKING CLUB — As a result of a Madison Avenue type membership drive, the Cooper Union Hiking Club now boasts a doubled enrollment! The eight active members have been up and down mountains and in and out of caves and have generally met nature on her own terms. Trips were made to the Catskill Mountains, Green Camp and West Virinia in order to acquaint jaded city mice with the beauties of nature, as well as that hazardous-looking, but actually as safe as sitting in your own beds, fellas, method of mountain climbing — rappeling. The achievements of the group are numerous. Not only was a 13,700-foot mountain scaled (a C.U.H.C. record), but besides this Pete Ricca sank to a new low . . . while spelunking in a cave 1200 feet below the surface.

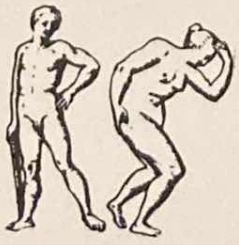
STUDENT ZIONIST ORGANIZATION — As in previous years, the Student Zionist Organization provided its members with an interesting schedule of Jewish and Zionist activities, including lectures, discussions and films. The intellectuals of the organization (weren't they all!) discussed with fervor the explosive situation in the Middle East. The imaginative song and dance sessions led by Marvin Wachspress were the season's creative highlight. The outstanding social event was the annual S.Z.O. Green Camp trip; whatever else might be said about this expedition, certainly never before have so many pots been kashered for so many, by so few, in so short a time.

CHORISTERS — From time immemorial, man has used his vocal cords for purposes other than communication. The Cooper Choristers have not been singing since time immemorial (although sometimes rehearsals do drag). However, for the relatively short time they have been in existence as a choral group, they certainly have made their presence felt. Their public appearances have included performances at the convocation and the Gold "C" Dinner. The excellent work which they have done on these occasions testifies to the abilities of the directors, Bob Goepfert and Bill Caputi, and to the patient efforts of Professor Wallace, who spent several years getting the Choristers organized.



CHEERLEADERS — Often of a Tuesday afternoon one may, by the simple expedient of concealing himself in the underbrush of the Great Hall, observe the strange, savage dances of the Cheerleaders. This primitive tribe of simple, unaffected girls, who believe themselves unseen, will be observed to practice native rituals with a carefree, childish abandon which, in its very naturalness, is refreshing to the civilization-weary traveler. Watching them as they are led by their chieftain, Lia-of-the-flowers, in the complicated and strenuous dance known as the Lo-Co-Mo-Tiv (a dance of supreme religious significance), as one hears the names of their savage gods — Lent, Osolin — one feels a compulsion to protect these noble savages from the vices of civilization. Replace their naturalness and simplicity with neuroses and psychoses, their simple, brief, pleasant, brief colorful, BRIEF costumes with binding, uncomfortable dresses — never! It shall never happen!



VARSITY BASKETBALL — Sparked by the "old pro" of the courts, Captain Dick Lent, Cooper's Varsity Basketball Team made a gallant showing this year. Competing against such rivals as Stevens Institute, Brooklyn Polytech, Pratt Institute and Queens College, the team compiled a winning record. This was to be expected, since Cooper had such talented ball players as Bob Osolin, Jack Kahrs and Walt Bylciw. Coach Dave Tobey was, of course, instrumental in guiding the team through the season. It is apparent that despite Cooper's smallness and lack of athletic facilities, excellent coaching and fine team play will continue to assure exciting and successful basketball.

JUNIOR VARSITY BASKETBALL — Despite the temporary loss of Mr. Kalechstein, the Junior Varsity Basketball Team maintained its equilibrium under the able coaching of one of Cooper's great all-time scorers, Bob Kolb. Every Tuesday and Thursday at the Church of All Nations, these aspiring players found the opportunity to refine their talents in preparation for the testing of their abilities by their counterparts from other schools. Bob Crotty was outstanding on this year's team; he and others, in every movement, indicate a bright future for basketball at Cooper.

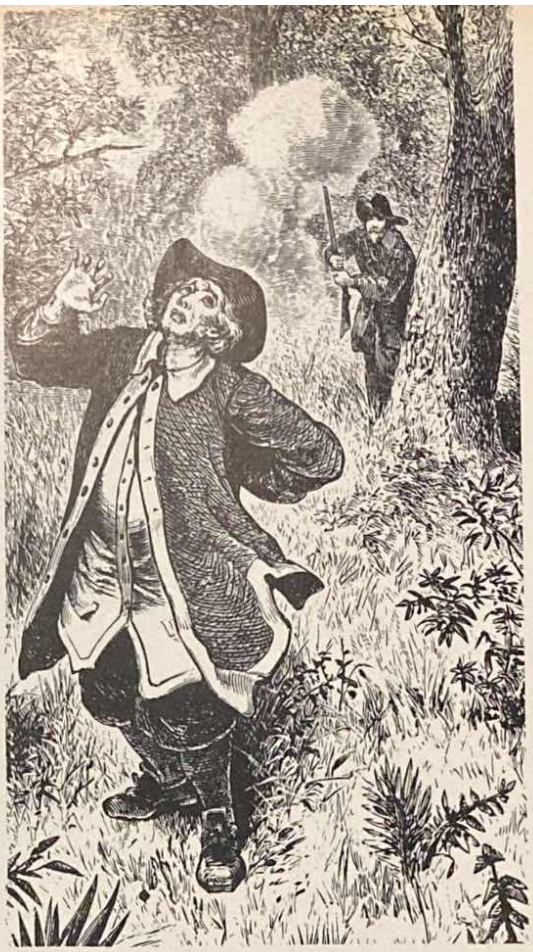
PHYSICS CLUB — Spurred by the inspirational drive of Morton Kostin and Allen Simon, a group of nonconforming engineers, refusing to abandon the stimulation of mind which is afforded by the pursuit of pure science, organized the Physics Club. The program consisted of weekly investigations into the theory of relativity, each guided by a student member. Whenever the discussion grew somewhat less than lucid, Mr. Saletan was on hand to lead the confused young men safely through the space-time continuum and back to the mundane realm of engineering.

DEBATING SOCIETY — The word's the thing in the Cooper Union Debating Society. Drawing its membership from among the more loquacious of the students, this small, but not silent, group exhibits more eloquence per square inch than can be found anywhere else in the school.

CAMERA CLUB—A Camera Club member is easily distinguished from other Cooperites: he walks by day with wide, unseeing eyes which have become acclimated to dark rooms; his step is punctuated by the rattle of loose flash blubs in his pockets; he is the possessor of an interesting appendage situated at the center of his chest (often labeled Leica or Nikon). The advantage of having darkroom facilities is a double one, inasmuch as the club is coed.

DANCE BAND — On Monday afternoons, the second floor of the Foundation building has been the source of subterranean rumblings which, upon further investigation, turn out to be rhumbas. The band, its ranks swollen with new recruits, now stands eight strong and anticipates the loss (by graduation in the course of duty) of only one of these — leader Jack Alford, who has seen the group through many lean and discordant years, and whose attempts to bring about a degree of organization have finally met with success. Among the stalwarts remaining will be vice-president Joel Alper and music librarian Joe Levy, who predict a bright future for the band.

FENCING TEAM — Armed with a new supply of adhesive tape and tourniquets, the ten members of Cooper's Fencing Team threw their collective gauntlet upon the ground and immediately began scrambling for it. As in the past equipment shortages were a major problem. However, once the boys had learned to parry a sabre cut with their bare backs and had become adept at halting an epee lunge with the fleshy parts of their abdomens, they were ready to face their select intercollegiate opponents. Mumbling something about how what really mattered was not who won but how the game was played, Mr. Peter O'Connor, the team's coach, could only wince.



RIFLE CLUB — The Rifle Club cabin at Green Camp has remained in almost continuous use by the club's members. Set off a distance from Camp (not far, but straight up), the cabin, with its stove ingeniously designed to burn tremendous quantities of wood with a minimum release of heat, really gives students a chance to bumble around and "larn" how Abe Lincoln lived. The average Sunday invariably sees immense piles of wood being sawed and stacked in the cabin, under the cabin, and in any other place that looks as though it might keep wood dry (it never does). Also used in conjunction with the cabin is the outdoor rifle range; at least 1,500 *rounds have been fired into the earth backstop, raising its assay value by sheer quantity, if not quality. The shooting usually results in a number of punched targets, which yield excellent service as place mats and dinner napkins on club trips.*

CHESS CLUB — For those with medieval minds and feudal personalities, the Chess Club has been a haven from the machine culture of our times. Here the student whose use of strategy is normally limited to outwitting that little old lady in getting a seat on the BMT has an opportunity to bring his deeper plotting nature to the fore.

SKATING CLUB — Led by Charles Levy, who bears little resemblance to Barbara Ann Scott, the gay young blades of the Cooper Union Skating Club may be found every Friday night under the lights of the Wollman Memorial Skating Rink in Central Park. A new addition to the roster of Cooper's extracurricular activities, the club has been vigorously supported by the student body.

GREEN CAMP COMMITTEE — Hardly any job is more difficult than that of apportioning weekend schedules to those student organizations, class groups and meandering-type crews that wish to spend three days of Pocono-pleasure at Green Camp. This primary function of the Green Camp Committee was ably directed by its chairman, Doug Johnson, together with other Committee members. A wild, wicked and stormy year it was for the diligent dozen of the Committee, as they set about attending to their secondary function . . . that of providing copy for the Pioneer.

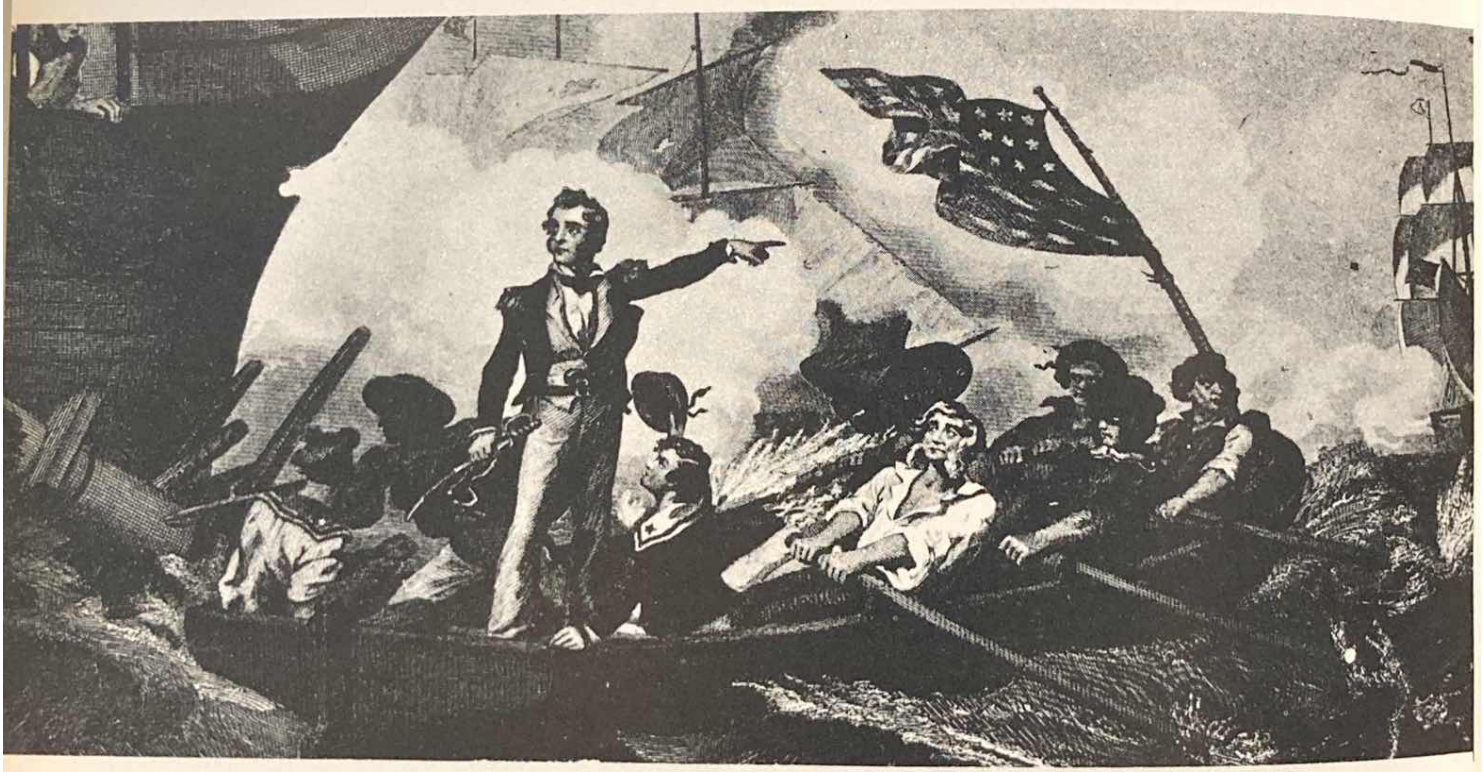
PIONEER — In September of 1956, *the Pioneer resumed publication under the joint editorship of Jordan Ellis and Paul Puckman (or Paul Puckman and Jordan Ellis, depending upon whom you happened to be talking to). Flying in the face of this ominous event, the New York Times stubbornly persisted in publishing its daily issues.*
The daily Foundation building pedestrian could often spot Messrs' Puckman and Ellis and their staff in the halls, eagerly abiding by the Pioneer motto, "All the news we git, we print," by either hunting up hitherto undiscovered news or trying to create some, depending upon the amount of copy available at the time. The result of these diligent efforts was the approximately biweekly publication of the Pioneer (a Pioneer unmatched for quantity and originality of typographical errors) which satisfied the students' desire for an active newspaper and served as an outlet for bursts of constructive and destructive criticism.

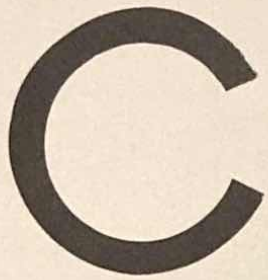
80,000 FAMILIES NEED HOMES BUILD THEM
TAKE CHILDREN OUT OF FACTORIES GIVE US THE JOBS
TRADE WORK FOR US
WE WON THE WAR AND LOST OUR JOBS
WE WANT WORK NOT SOUP KITCHEN SALVATION ARMIE
WE DEMAND COMPENSATION AT TRADE UNION WAGES
BILLIONS IN WALL ST. MILLIONS ARE HUNGRY
FOR BARONS FOR US
TRADE WITH SOVIET RUSSIA WORK FOR US

ATHLETIC ASSOCIATION — The Athletic Association provides an opportunity for students with tired minds to enjoy themselves while acquiring tired bodies. With careful planning, the varied program of the A. A. ran smoothly in spite of severe financial hardships, and the varsity teams, athletic clubs and intramurals operated without a hitch. As usual, the high points of the A. A. year were Field Day, which this year had the blessing of beautiful weather, and the Annual All-Sports Dinner at McBurney YMCA. Much credit must be given to A. A. president Gary Bennewitz for maintaining the full Cooper athletic program, as well as his own sanity, during this financially trying season.

BOWLING CLUB — The Bowling Club engaged in a great deal of bowling this year; the reason for this is apparent, inasmuch as the purpose of the organization is to offer students an opportunity to meet with their friends in a more relaxed atmosphere than that of the classroom. Besides supplying members for the Varsity Bowling Team, the club sponsored a school-wide tournament which was participated in by class and fraternity teams. It is worthy of note that sixty members engaged in the program of the Bowling Club, making it one of the largest and most active extracurricular organizations at Cooper.

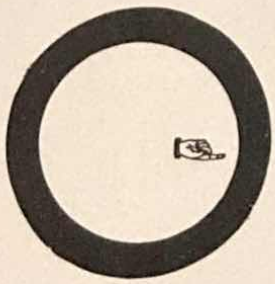
DRAMA CLUB — After a semester of relative inactivity, the Cooper Union Drama Club found itself resurrected from its temporary limbo with the influx of a large, enthusiastic freshman Art contingent. These aspiring thespians suppressed their ebullient egos long enough to agree on a selection for a fall production. In early December, after tussles with scenery problems and many long rehearsals, the club offered two performances of Pirandello's cryptic comedy, Six Characters in Search of an Author. An important adjunct to the Humanities department, the Drama Club provides an outlet for the student's histrionic urges and an opportunity to benefit from association with director Jack Poggi and faculty advisor Bowman.





GOLD "C" COMMITTEE — By participating in extracurricular activities each year at Cooper, the individual reaps rewards which are largely intangible; the Gold "C" Committee, however, provides a small but physical symbol of achievement in those areas. Gold and Silver "C's", which are awarded each year to deserving students, bring with them the student body's recognition of, and its thanks for able performance in extracurricular activities.

YACHT CLUB — The acquisition of three fiberglass M.I.T. dinghies has created new interest in sailing among Cooperites. No longer must the boats be brought down to the school for the winter. Instead, they are left at City Island all year, and when spring arrives, they are ready to sail without the painting and caulking that the older wooden boats required. The Yacht Club, in addition to providing its members with a wholesome and pleasurable pastime, supplies material for the Varsity Sailing Team. Murray Goodman, president of the club, and Doug Johnson, commodore of the team, led their mates through a long and satisfactory season.



MATHEMATICS SOCIETY — Once the annual introduction of freshman engineers to the use of the slide rule is accomplished, the Mathematics Society moves on to more erudite discussions. The talks (in which the words "significant figures" are conspicuously absent) proceed in an atmosphere of intense intellectual curiosity which provides the basically impractical engineering student with an opportunity to escape the practical walls of his chosen profession. Once lured to this oasis of the abstract by the dancing girls and the transfinite numbers, the student must be wary, for there always exists the possibility of becoming inextricably trapped in the maze of one of Professor Eastham's puzzle problems.

CHRISTIAN ASSOCIATION — The Christian Association offers the Christian Cooper student an opportunity to investigate various facets of his religion and to exchange ideas with others in an atmosphere of free discussion. As a result of these activities, the student learns to understand more of his religion and of himself. Guest speakers were a source of additional interest at several of the club meetings.

AMERICAN INSTITUTE OF ARCHITECTS — The Cooper Union Chapter of the American Institute of Architects is an organization which aims to promote a closer relationship and understanding among the activities of the architectural profession and the activities of students of Architecture. This student organization receives news from and is in contact with the National Headquarters of the Institute and the New York Chapter. Members of the Student Chapter receive invitations to events such as field trips sponsored by the New York Chapter, just as do corporate members, and they are urged to attend meetings of committees of the New York Chapter. Perhaps an achievement of immediate significance is that of getting undergraduate students of the various schools together. Round-table discussions, traveling exhibits and symposiums are ways of achieving an exchange of ideas and provoking discussions of mutual objectives in both educational and professional fields.

VARSITY VOLLEYBALL TEAM — The Varsity Volleyball Team, coached by Mr. Kalechstein, engaged in a full schedule of activities, including the Westchester Invitational Tournament and the Binghamton Tournament. Interest in the progress of this team has always been high, since all of the male students have direct contact with volleyball in the freshman Physical Education course.

ANNUAL DANCE COMMITTEE — Enlarged phone booths, empty candy stores, dark basements— no possibility for the Annual Dance locale was overlooked by wandering chairman Ernie Potvin. Despite financial limitations, the Annual Dance was, as always, the high point of the year's social schedule.

CABLE

Editor-In-Chief: *Herbert S. Kleiman*
Art Direction: *Louis P. Klein*
Philip Gips
Literary Editors: *Robert H. Goepfert*
Camille Reubin
Senior Editors: *Morton D. Kostin*
Jean H. Krulis
Photo Editors: *Donald L. Denburg*
David Lunn
Richard Zimmerman
Business Manager: *Charles Levy*
Advertising Manager: *Gary S. Popkin*
Activities Editor: *Allen Klinger*

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Steven F. Richter
Robert Weissberg
Victor Moscoso
Herbert Migdoll
Greta C. Levett
Gregory L. Black
Thomas J. Brady
Richard Matson

LITERARY

Jesse D. Reingold
David H. Wirz
Howard S. Reiter
Anita Fiderer
Joan Rose

ACTIVITIES

Marvin N. Gordon
Michael H. Gilder
Lawrence T. Gurley
Julius L. Goldstein
Bernard Zivotofsky
Arnold Geyzer
Edward J. Fearon

PHOTOGRAPHY

Albert G. Genlot
Jean H. Krulis

SENIOR

William Kokot

"How's this shot for the Art section?"
"Am I in it?"
"Hey Gips, how do you like this idea for Green Camp?"
"It's very good — but we can't use it."
"But the engineering classes can't be that dull!"
"Gep, did you see Klinger, Gurley and Fearon?"
"Yeah . . . they're standing behind me."

ARTHUR MERCANUS
Anna Di Gesu Parker
Lois Harbert
Lois G. Harbert
Pluto
TED GOREWICK
Joan Rose Herbert
Ira T. Foomph
BOB DEMILLA
Micha Bartlett
Richard Boone
Robert Wagner
Honey Graham
Ruth L. Bennett
Tom Brady
IRA T. FOOMPH
Anita Fideler
Richard Zimmerman, Esq. B.V.D.

Jack R. Alford EE
58-31 208 *Street, Bayside* 64
School Band president
AA secretary, LSK, IRE
Softball, intramurals manager

Sidney J. Altschuler ChE
100 75 *Street, North Bergen, N. J.*
AIChE treasurer
Lambda Sigma Kappa

Henry G. Ansell EE
123 *Clymer Street, Brooklyn* 11
AIEE-IRE secretary
Pioneer circulation manager
Physics club secretary

Fred Austin ME
73-30 198 *Street, Flushing* 66
Alpha Mu Sigma

Ferdinand A. Bagley ChE
1048 *Flatbush Avenue, Brooklyn* 26
SKT house committee chairman
Basketball, softball, volleyball intramurals

Gerhardt A. Bennewitz Jr. CE
30 *Anderson Ave., Bergenfield, N. J.*
Athletic Association president
ASCE, intramurals
All Sports Dinner chairman

Fred W. Berg ME
315 *East* 6 *Street, New York* 3
Hiking club
ASME chairman
Pi Tau Sigma

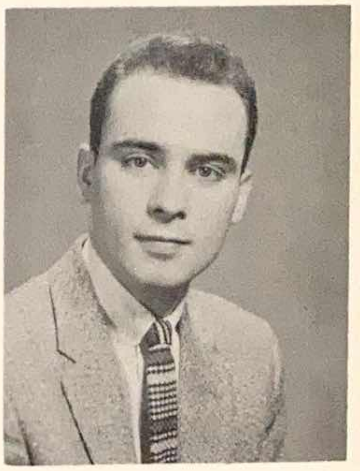
Harvey M. Berkowitz CE
193 *Quentin Road, Brooklyn* 23
Chi Epsilon president
Tau Beta Pi, Lambda Sigma Kappa
Pioneer

Anthony R. Bernardi EE
48 *Mount Morris Avenue*
White Plains

Michael G. Blanco EE
118-40 *Metropolitan Avenue*
Kew Gardens 15
SKT professional treasurer, IRE
membership chairman, Intramurals

Paul Brunner ChE
993-02 43 *Avenue, Elmhurst* 73
SKT vice president
Tau Beta Pi
AIChE

Walter N. Byleiw ME
87-61 98 *Street, Woodhaven* 21
Varsity basketball
Omega Delta Phi
ASME



Robert J. Caddell CE
Cedar Lane Road, Ossining
Omega Delta Phi
Newman club
ASCE

Michael S. Cantor ME
2640 *Davidson Avenue, New York* 68
Student Council president
Pioneer editor in chief
AMS, Drama club

Albert Carnesale Jr. ME
1665 *Weeks Avenue, New York* 57
Intramurals
ASME

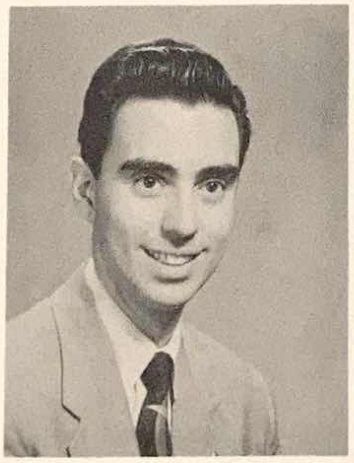
Marvin Clumpus CE
1307 *Pacific Street, Brooklyn* 16
SKT secretary
ASCE chairman of annual dinner committee

Martin F. Collins ChE
85 *Leonard Street*
Jersey City 7, *N. J.*

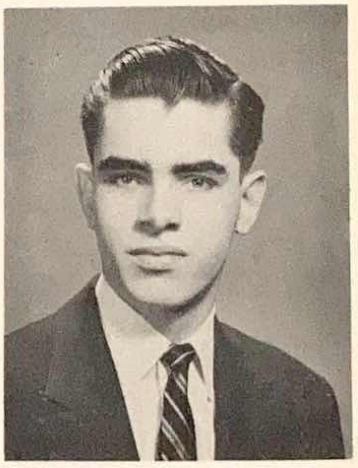
Alfred M. D'Ammassa ChE
44 *Smith Street, Deer Park*
Omega Delta Phi
Intramurals
AIChE

Peter F. Danker ChE
520 *Lyman Avenue*
Woodbridge, N. J.

Donald Lee Denburg EE
41-63 *Frame Place, Flushing* 55
LSK tyrannical ruler, Cable,
Senior class president, TBP,
Student Council vice president



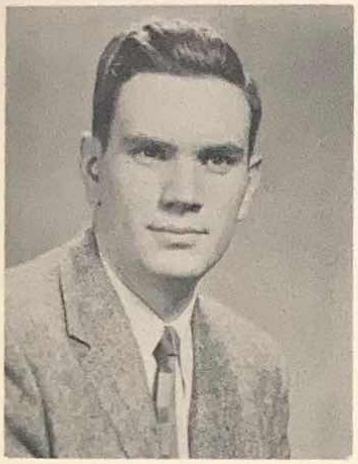
William Dimoplon ChE
685 *East* 233 *Street, New York* 66
Softball, volleyball, basketball
intramurals, AIChE,
Sigma Kappa Tau

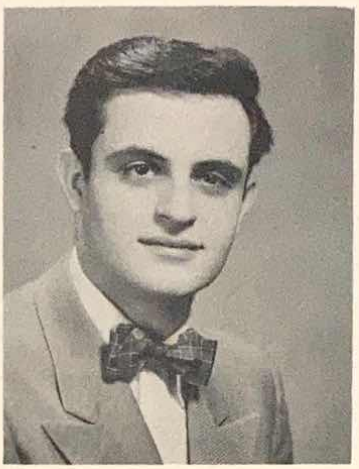


Francis J. Dobrowolski CE
545 *East* 12 *Street, New York* 9
ASCE treasurer
Omega Delta Phi vice president
intramural basketball

John M. Dominis ChE
340 61 *Street, Brooklyn* 20
Newman club
Phi Sigma Omega
AIChE

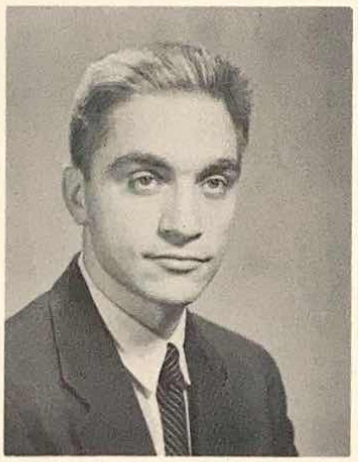
Edward J. Fearon EE
94-33 239 *Street, Bellerose*
Pioneer features editor, Dramatic
Society president, SKT president,
SAC chairman, IFC president





Joel H. Ferziger ChE
1514 *West* 11 *Street, Brooklyn* 4
Activities plan treasurer
Lambda Sigma Kappa
AIChE vice president

Michael Fischetti CE
1020 *Lancaster Avenue, Brooklyn* 23
Chi Epsilon treasurer
ASCE president
Tau Beta Pi



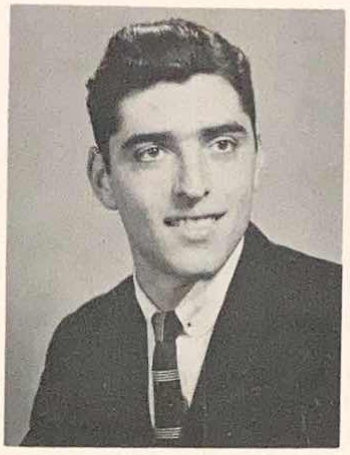
Morton R. Friedman ChE
801 *Saratoga Avenue, Brooklyn* 12
Intramurals, Volleyball medal
SZO, TBP
AIChE

Abraham P. Gelbein ChE
597 *Hopkinson Avenue, Brooklyn* 12
Social activities committee
Alpha Mu Sigma

Albert G. Genlot EE
27 *Webster Place, Brooklyn* 15
AIEE-IRE vice chairman
Physics club vice president
Cable photographer

James H. George ME
Connecticut View Drive,
Mill Neck Estates, Oyster Bay
ASME

Arnold Geyzer ChE
2090 *East Tremont Ave., New York* 62
SKT president
Softball, basketball intramurals
Cable staff



Robert H. Goepfert EE
104-33 89 *Avenue, Richmond Hill* 18
Humanities club president
Cable literary editor
Cooper choristers director

Julius L. Goldstein EE
67 *Lee Avenue, Brooklyn* 11
SZO, Physics club,
IRE secretary
Cable staff

Maurice Y. Goodman ME
1520 *Plimpton Avenue, New York* 52
Yacht club commodore
PTS sophomore award
TBP, PTS, ASME

David A. Granat CE
820 *Suburban Place, New York* 60
SKT pledgemaster
APO vice president
Student leader, ASCE

Lawrence T. Gurley EE
1256 *East Gun Hill Road, New York* 69
Gold 'C' chairman, LSK, Drama club,
TBP, Cable, AIEE-IRE treasurer, AP,
Elections committee vice chairman

Robert J. Heilen ChE
2146 *Himrod Street, Ridgewood* 37
AIChE, ODP,
Christian association
Intramurals

Martin S. Harris EE
202 *East* 91 *Street, Brooklyn* 12
Sigma Kappa Tau
IRE

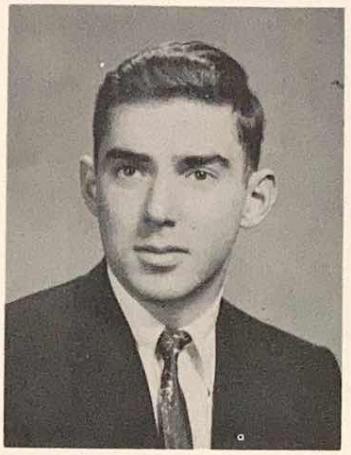
Alvin Jampole ChE
448 *Williams Avenue*
Brooklyn

Francis J. Kaelin CE
111-53 147 *Street, Jamaica*
Bowling, volleyball intramurals
ASCE

Philip M. Kane EE
755 *Eastern Parkway, Brooklyn* 13
AIEE-IRE secretary
APO president
Pioneer

Fred Kaufman CE
413 *Beach* 122 *Street,*
Rockaway Park 94
Intramural softball team captain
ASCE

Herbert S. Kleiman EE
354 Ocean Avenue, Brooklyn 26
Editor-in-chief of Cable, Student leader, Junior class president, AMS vice prior and pledgemaster



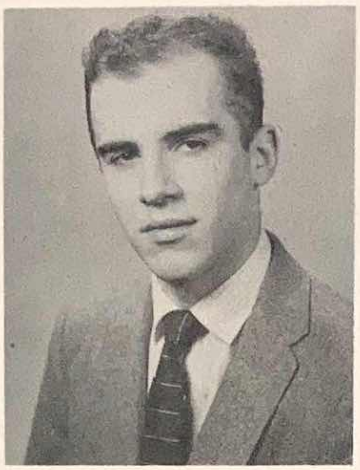
Allen Klinger EE
917 Ogden Avenue, New York 52
AIEE-IRE chairman, Gold 'C' chairman TBP, LSK, President sophomore class Cable activities editor, Drama club

Morton D. Kostin EE
2846 West 30 Street, Brooklyn 24
Tau Beta Pi vice president, Westinghouse achievement award, Physics club president, Physics award

John H. Lawlor CE
723 48 Street, Brooklyn 20
Chi Epsilon vice president PSO grand master, TBP, ASCE, Newman club

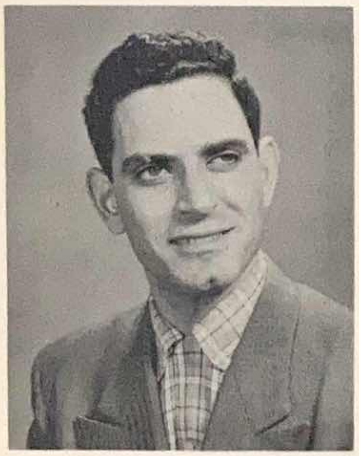
Richard Lent EE
157-23 27 Avenue, Flushing 54
Varsity basketball captain Field day committee AIEE-IRE

Charles Levy EE
1576 Taylor Avenue, New York 60
Cable business manager, Skating club president, Elections committee, IRE, Assistant lobby watcher



Sviatoslav Liapunov CE
343 *East* 92 *Street, New York* 28
Varsity volleyball captain
Chi Epsilon
ASCE

George N. Macotsis ME
144 *East* 17 *Street, New York* 3
Varsity basketball team
Omega Delta Phi
Softball, volleyball intramurals



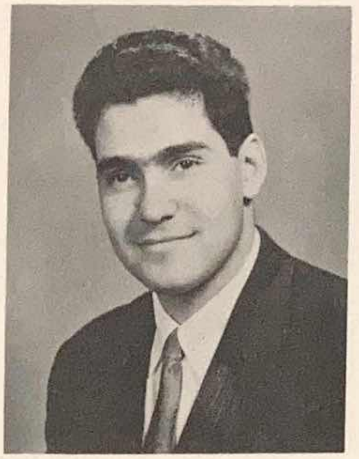
Frank J. Mammone ChE
31 *High Street, Jersey City* 6, *N. J.*
Bowling Team captain, ASCE
3DCE baseball team captain
Newman Club treasurer, APO

Mario A. Mazzola CE
267 71*st Street, Brooklyn* 9
Bowling Team captain
Newman Club treasurer
APO, ASCE

Lester M. Minsuk ChE
144 *East* 94*th Street, Brooklyn* 12
Activities Plan Chairman
LSK vice ruler
AIChE president

Philip J. Mullan ME
26 *Montgomery Place, Brooklyn* 15
Omega Delta Phi, ASME
Pi Tau Sigma, Newman club
Tau Beta Pi

Louis J. Nacamuli CE
172 *Atlantic Avenue, Brooklyn* 1
Rifle Club, Rifle Team
Alpha Pi Omega, ASCE



Michael Phillips ME
182 *Bennett Avenue, New York* 40
Alumni award for technical paper
Social Activities Committee
ASME

Jesse D. Reingold ChE
1115 *College Avenue, New York* 56
Cable literary staff
AIChE

Howard S. Reiter ME
2440 *Tiebout Avenue, New York* 58
ASME

Peter M. Ricca CE
33 *Montgomery Street, New York* 2
Athletic Association vice president
Varsity and JV Basketball manager
Hiking Club, ASCE

Alfred I. Rosenblatt EE
1051 *Ward Avenue, New York* 72
Lobby Loiterer's Club president
Senior year V.P., Student Bank Treas.
Student Council, AMS, AA, IRE, TNF

George G. Ross ChE
34 *Theresa Place, Staten Island* 1
Pioneer staff
Intramurals

Walter W. Ruthel ChE
3751 84*th St.*
Jackson Heights 72

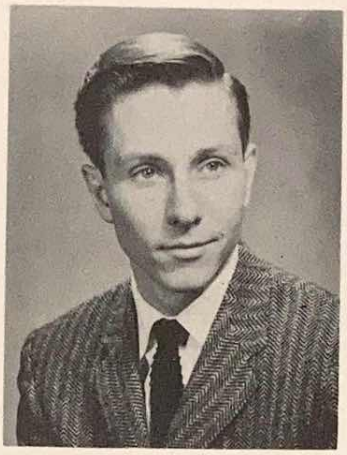
Kenneth Ruttenberg EE
1963 *Bryant Avenue, New York* 60
Institute of Radio Engineers

Karl C. Schapiro CE
264 *Linden Boulevard, Brooklyn* 26
Pioneer, ASCE
SZO, Hiking Club

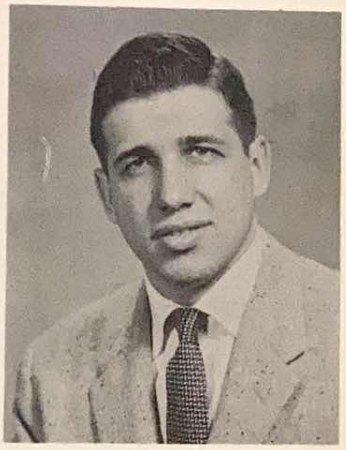
John C. Schug ChE
115-06 230*th St., Cambria Heights* 11
Intramurals
Tau Beta Pi

Richard E. Schwartz ME
25-72 43*rd Street, Astoria* 3
Omega Delta Phi
Varsity basketball
ASME

Donald E. Schwinn CE
4400 Wickham Avenue, New York 66
Varsity volleyball, ODP
Golf and ski club vice president
Newman Club secretary



Saul Shapiro ChE
1505 Ocean Avenue, Brooklyn 30
Math Society president
Physics Club, SZO
Intramurals



Allen H. Simon EE
2174 66th Street, Brooklyn 4
Math Society president
Tau Beta Pi
IRE, Physics Club

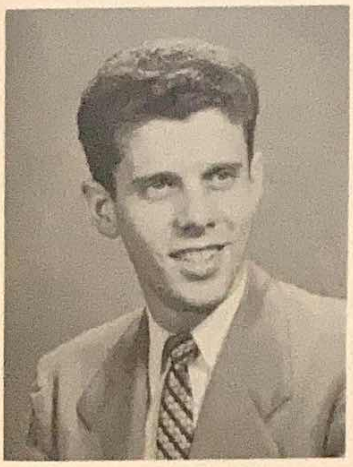
Walter F. Skrabal ME
40-53 71st Street, Woodside 77
Pi Tau Sigma
ASME

Stanley B. Solomon CE
739 Coster Street, New York 59
AMS correspondence scribe
ASCE

Raymond M. Takla CE
630 84th Street, Brooklyn 9
Survey staff, Math Club, ASCE
Basketball intramural captain
Softball intramural captain

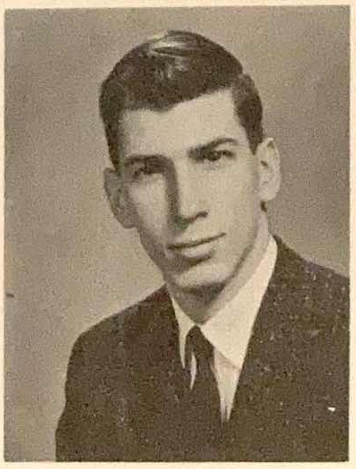
Raymond Tillman CE
160 *Remington Place, New Rochelle*
ASCE vice president, AMS prior
IFC vice president
J. V. basketball

Roger P. Van Driesen ChE
9 *Pinehurst Avenue*
New York 33



Marvin Wachspress ChE
78-15 68*th Road, Middle Village* 79
Math Club, Physics Club
AIChE, SZO
Interfaith Club

Joseph L. Waldman ChE
387 *South 5th Street, Brooklyn* 11
Filter Press editor-in-chief
Pioneer photography editor
Cable, Intramurals, TBP



Leonard Weller EE
992 *McLean Avenue, Yonkers* 5
Dramatics Club
Institute of Radio Engineers
4*DEE-two years*

Allan H. Wern CE
599 *East* 34*th Street, Brooklyn* 3
Survey editor
Chi Epsilon secretary
ASCE

Kentaro Yasuda ME
18 *West* 103*rd Street, N Y*
PTS vice president
Tau Beta Pi
ASME

David Yee ChE
53-39 61*st Road, Flushing* 67
Sigma Kappa Tau
Cable

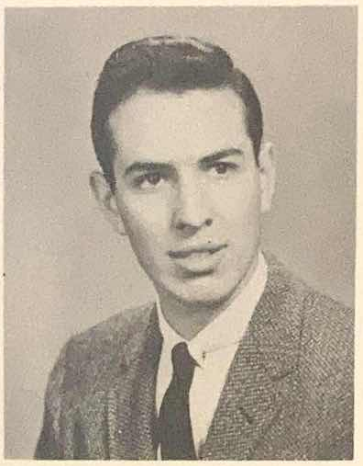
Bernard Zivotofsky EE
77 *Malta Street, Brooklyn* 7
SZO president
Institute of Radio Engineers
Physics Club, Cable

CAMERA SHY *Robert Hong EE*
213 *Linden Road*
Mineola

Jack Kroop ChE
2320 *Aqueduct Avenue*
New York 68

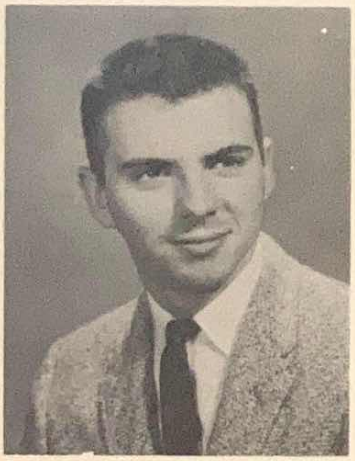
Fred Metzger CE
103 *Goodwin Avenue*
Newark 12, *N. J.*

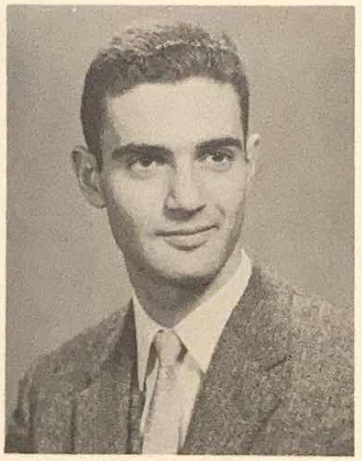
Howard C. Rachlin ME
1456 *Townsend Avenue*
New York 52



Ruth L. Bernstein
2020 *Kings Highway*
Brooklyn 29

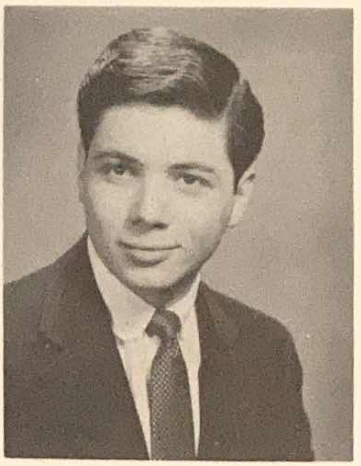
Samuel H. Bernstein
101 *East* 59 *Street*
Brooklyn 3





Gregory L. Black
117 *Main Street*
Stamford, Conn.

Fred E. Bloch
615 *West* 172 *Street*
New York 32



Richard W. Boland
1 *Gotthort Street*
Newark 5, *N. J.*

Micha Botknecht
403 *Crown Street*
Brooklyn 25

Thomas J. Brady
1A Sherman Court
Bloomfield, N. J.

Betti Sue Broadwater
255 West 4 Street
New York 14

Kenneth R. Cassie
46 Christopher Street
Montclair, N. J.

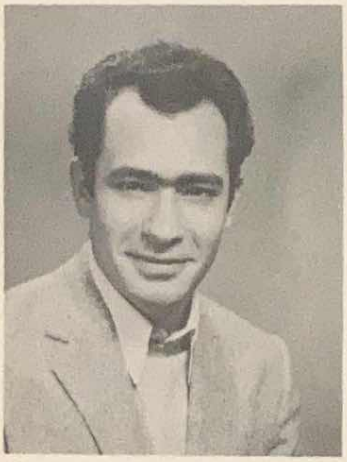
Susan E. Clarke
430 East 11 Street
New York 3

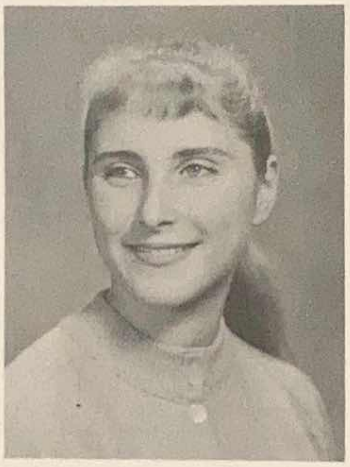
Robert Demilia
57 Bell Street
Bloomfield, N. J.

Anita Fiderer
80 East 7 Street
New York 3

Philip S. Gips
1407 *Shakespeare Avenue*
New York 52

Penina M. Gologor
1641 *Andrews Avenue*
New York 53





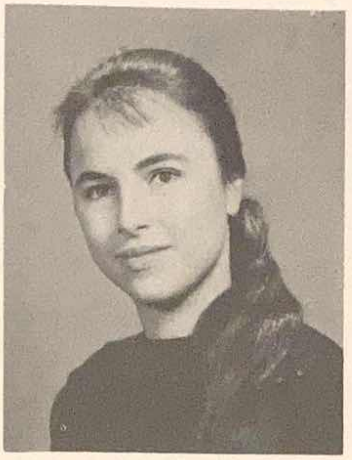
Ted Gorelick
6331 74 *Street*
Middle Village 79

Florence Graham
90-06 102 *Street*
Richmond Hill

Margaret R. Hand
208 *East* 6 *Street*
New York 3

Lois G. Harbart
91-18 88 *Avenue*
Woodhaven 21

Eva Hesse
237 *Thompson Street*
New York 12



Sara Kilian
452 *Riverside Drive*
New York 27

Louis P. Klein
127 *Garfield Avenue*
Bridgeport, Conn.

Arvid M. Knudsen
415 *West* 24 *Street*
New York 11

Sheldon Kroop
35-31 85 *Street*
Jackson Heights 72

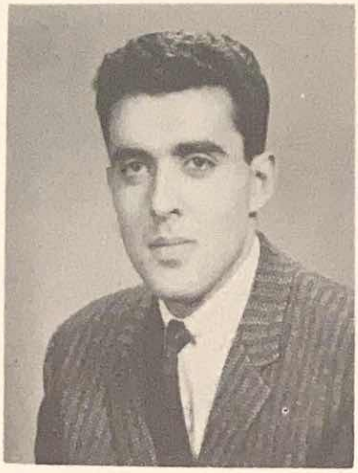
Jean H. Krulis
251-05 51 *Avenue*
Little Neck 62

Ellen R. Leelike
7607 91 *Avenue*
Woodhaven 21

Bethia B. Lew
715 *East* 4 *Street*
Brooklyn 18

Earl Lillie
124 *Sobro Avenue*
Valley Stream

David Lunn
1939 *East* 23 *Street*
Brooklyn 29



Richard P. Matson
95-31 242 *Street*
Bellerose 26

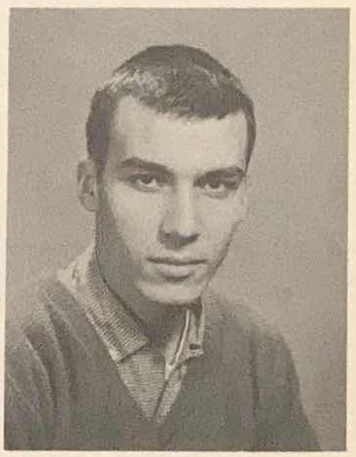
Arthur R. Meranus
2002 *Avenue J*
Brooklyn 30

Herbert Migdoll
58 *Garrison Avenue*
Jersey City 4, *N. J.*

Lawrence F. Miller
1408 *New York Avenue*
Brooklyn 10

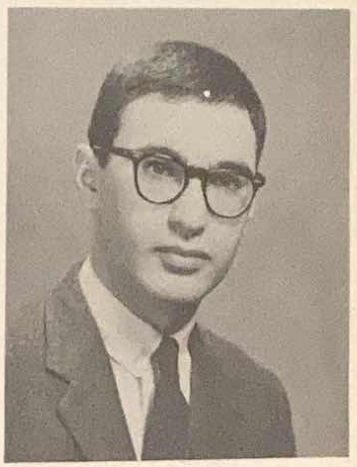
Thomas W. Moreck
47 *Ferncliff Road*
Bloomfield, N. J.

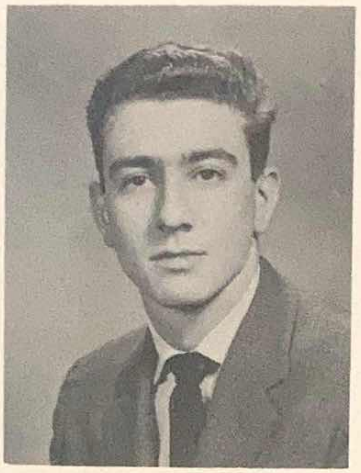
Victor Moscoso
52 *State Street*
Brooklyn 1



Irving J. Nadler
527 *East* 12 *Street*
New York 3

David A. November
1555 *East* 17 *Street*
Brooklyn 30





Camille L. Reubin
188 2 *Avenue*
New York 3

Steven F. Richter
1325 *E. L. Grant Highway*
New York

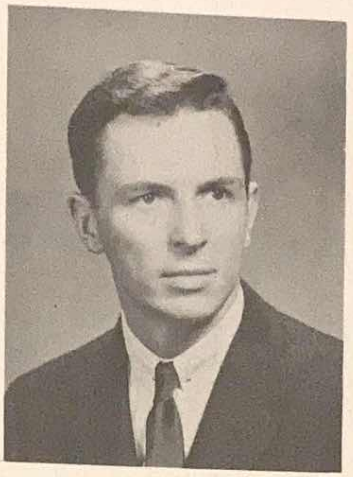
Joan Rose
312 *East* 21 *Street*
Brooklyn 26

Harriet Schmukler
188 2 *Avenue*
New York 3

Rosalie M. Spinelli
429 *E.* 119 *St.,*
New York 35

June E. Stieve
10 *Wakeman Street*
West Orange, N. J.

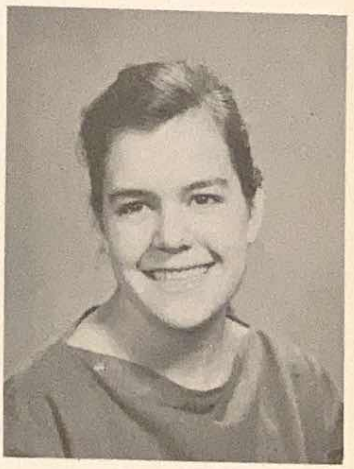
Walter V. Swartz
R.D. #1 River Road
Hanover, N. J.



Marion J. Theuer
578 West 193 Street
New York 33

Edgar Torton
532 Flatbush Avenue
Brooklyn 25

Diane I. Weber
237 Thompson Street
New York 12



Robert Weissberg
1245 Stratford Avenue
New York 72

Beatrice J. Wilson
2 Welshman Court
Caldwell, N. J.

Richard Zimmerman
2317 *Tiebout Avenue*
New York 58

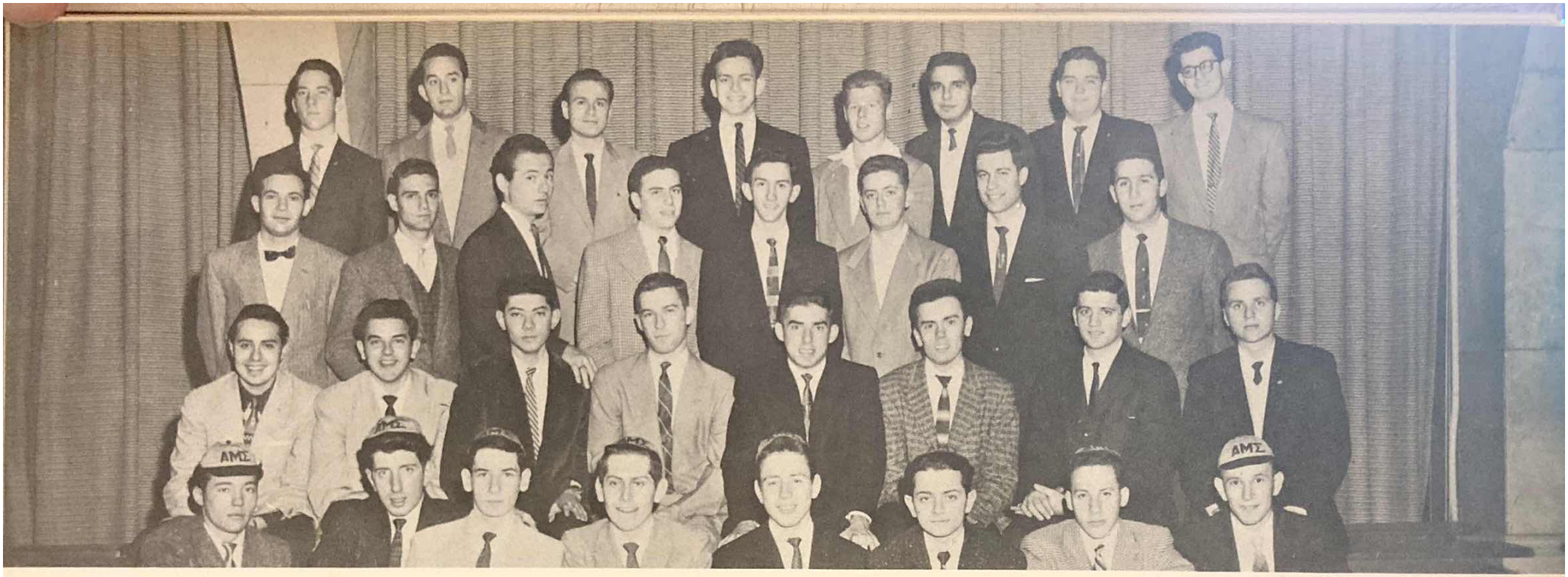
Thelma E. Hiris
1872 *Greene Ave.*
Brooklyn 37

CAMERA SHY

Lore Behrendt
41-11 *Elbertson Street*
Elmhurst

Robert C. Ferraro
149 *Conselyea Street*
Brooklyn 11

Naomi Mendelowitz
5360 *Broadway*
New York 63



Top row, left to right: A. Goulet, V. Iavarone, D. Macchia, M. Schultz, I. Memis, L. Schiavello, R. Stubbs, S. Harris. Second row: M. Gilder, F. Bloch, C. Weinstein, B. Schoenfeld, D. Zendels, A. Colli, S. Solomon, H. Solot. Third row: B. Schwartz, G. Salzman, J. Epstein, R. Tillman, H. Kleiman, H. Stalzer, M. Cantor, M. Gordon. Bottom row: P. Salerno, P. Lustig, H. Rosenberg, M. Dakes, R. Soloff, A. Zinnes, S. Becker, S. Levy. Camera Shy: F. Austin, J. Bardakjy, A. Chow, J. Dweck, A. Gelbein, A. Gerber, H. Harawitz, D. Hoffman, A. Kassan, M. Leventhal, A. Rosenblatt, L. Saroff.

ALPHA MU SIGMA

During the past year, the brothers of Alpha Mu Sigma continued to strengthen and develop the bonds which have made the fraternity an integral part of Cooper Union life since 1914. Participating enthusiastically in school and fraternity affairs, AMS lent its support to a number of social functions, provided many of the leaders of the extracurricular program, again conducted the popular "Cooper Queen" contest, took part in expeditions to Green Camp, and underwent the usual number of fruitless Friday night forays to Washington Square South and adjoining side streets. Possessed of everything the compleat college man requires (one ping-pong table, eight couches, one telephone, fifty-one tattered cards) the Alpha Mu Sigma fraternity house served as a rallying point for brothers and associates — a place where friendships were made and perpetuated.

President: Raymond Tillman
Vice President: Herbert Kleiman
Treasurer: Alfred Rosenblatt
Pledgemaster: Gary Salzman
Secretary: Joseph Epstein, Howard Stalzer
Faculty Advisor: Mr. E. Saletan

Top row, left to right: M. Zwillenberg, I. Huppert, P. Bailyn, L. Kershenbaum, H. Andersen, A. Simon, G. Cogorno, I. Kugelman. Bottom row: D. Feinblum, R. Schwartz, R. Rudish, S. Avery, P. Kane, T. Kroin, J. Alper, E. Potvin. Camera Shy: B. Fisher, M. Orentlicher, R. Rubin.

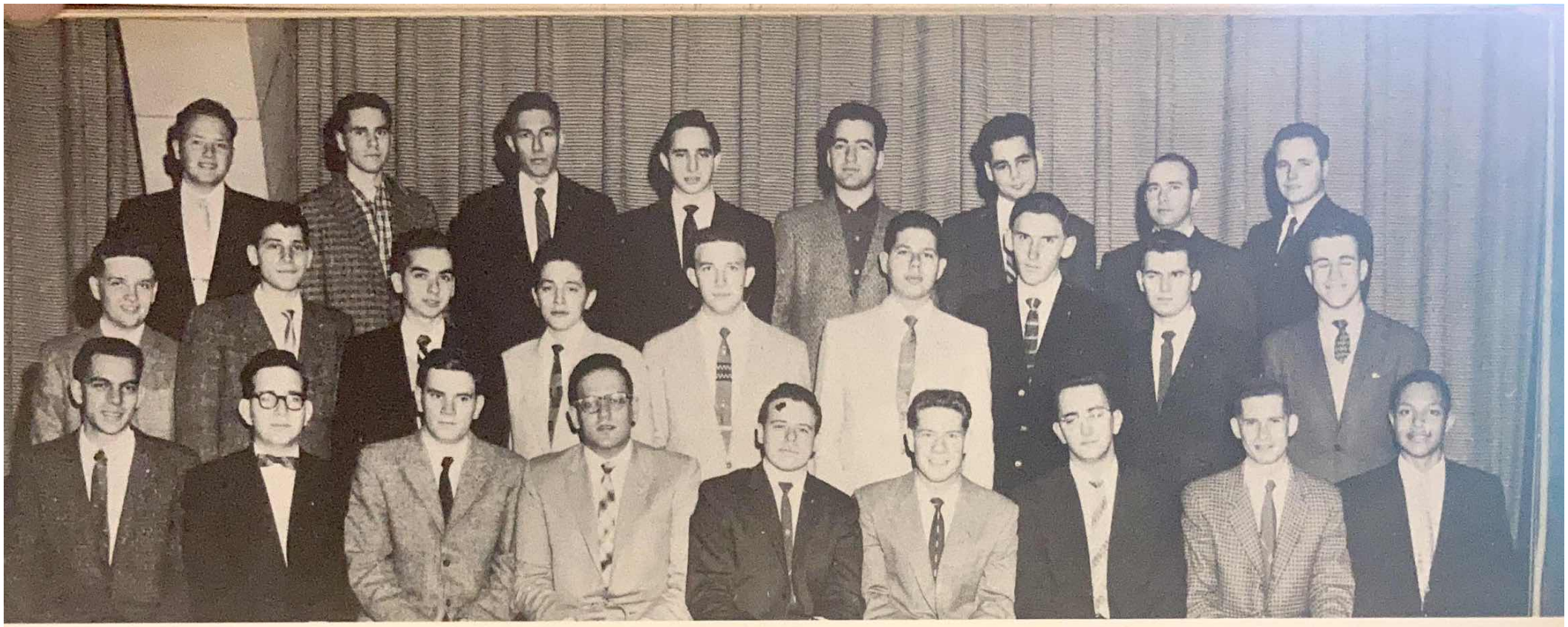
ALPHA PHI OMEGA

1956-57 *proved to be a very progressive year for Alpha Phi Omega. The Kappa Omega Chapter gained its first home early in the year. With a thorough redecoration, it emerged as the most glamorous fraternity house at Cooper Union. The social program was accelerated by parties, dances, and informal get-togethers. The service program, the binding factor of APO, was similarly stepped up. The traditionally successful APO projects — the Film Program, Blood Bank, Book Exchange, and Ugly Man Contest — were joined by the new APO Theater Service.*

Furthering the APO ideals of rendering service to the community and the school, the brothers of the fraternity actively worked with local Scout troops in their spare time, and were constantly available as ushers and volunteer assistants at Cooper Union functions.

The fraternity has grown rapidly since its inception five years ago, and the future looks brighter still.

President: Irwin Kugelman
First Vice President: Sheldon Avery
Second Vice President: Theodore Kroin
Corresponding Secretary: Albert Simon
Recording Secretary: George Cogorno
Treasurer: Robert Schwartz
Historian: Ernest Potvin
Advisory Committee: Mr. Aaron Fessler



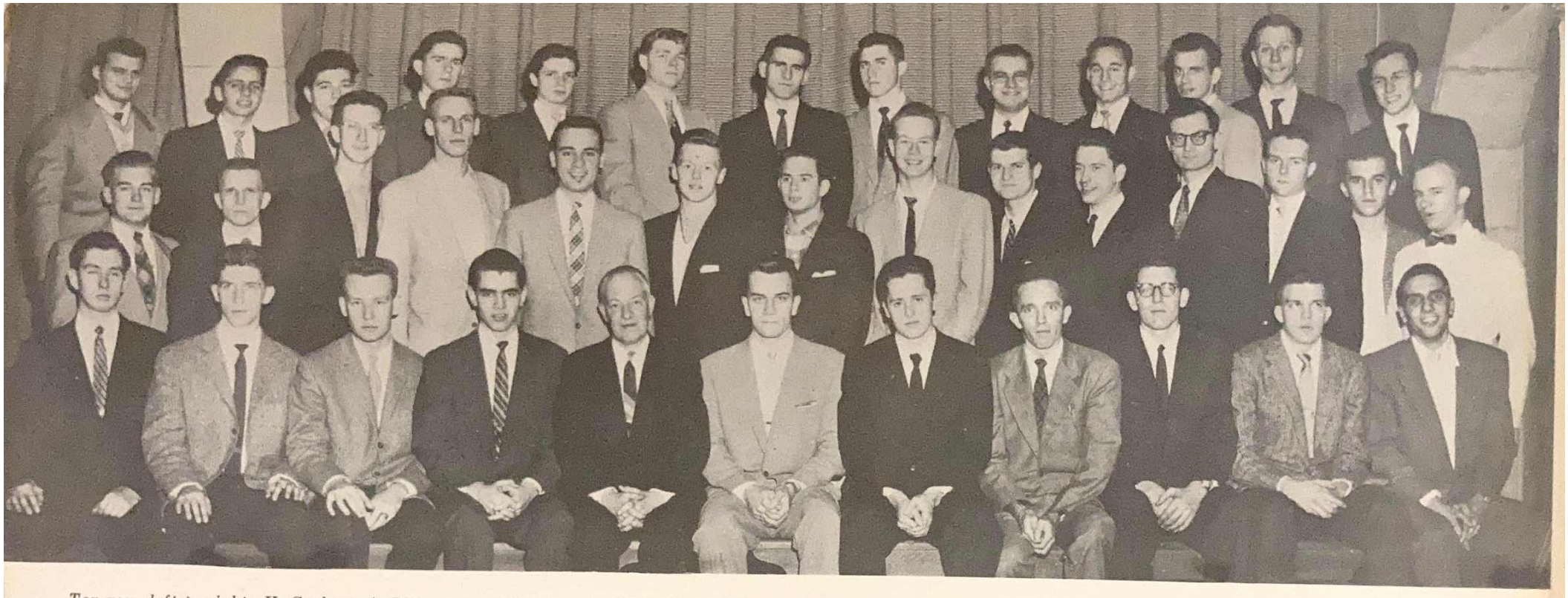
Top row, left to right: S. Schweitzer, P. Tholfsen, P. Puckman, J. Volin, L. Spielvogel, C. Kittiver, E. Potvin, A. Wolfman. Middle row: G. Zysman, J. Schechter, A. Mader, P. San Pietro, H. Abramson, J. Kurzweil, W. Schmitz, D. Freeman, S. Altschuler. Bottom row: J. Schere, J. Alford, J. Ferziger, L. Minsuk, D. Denburg, B. Barish, H. Berkowitz, A. Klinger, L. Gurley. Camera Shy: H. Mandelkorn, S. Schwartz, I. Brazinsky, J. Ellis, M. Weihrauch.

Following a year of relative quiescence which featured the abduction of the Green Camp Committee Chairman from his seraglio, multicolored meals, and several lesser screwball stunts, Lambda Sigma Kappa suffered a renaissance.
Fixing up the fraternity house until it resembled the Sistine Chapel, proposing the acquisition of numerous subsidiary fraternities, and the arrest of the Vice Ruler (who was involved in the kidnaping) were only the beginning. A trip to Green Camp which resembled a lemming migration soon followed along with an attempt to get Cooper a Rose Bowl bid.

The fraternity was more dynamic, more aggressive than ever this year. Instead of sullenly playing pinochle when the girls failed to show up for their parties, the brothers, led by two of their larger pledges, descended upon rival groups in a manner worthy of the hordes of Genghis Khan.
Much of the success of this year's operation was due to the benign rulership of domineering Brother Denburg. His arbitrary and tyrannical tactics were occasionally sufficient to silence the more loquacious brothers long enough to transact business.

LAMBDA SIGMA KAPPA

Ruler: Donald Denburg
Vice Ruler: Lester Minsuk
Treasurer: Jonathan Schere
Recording Secretary: Bernard Barish
Corresponding Secretary: Izzy Zysman
Faculty Advisors: Dean Herbert Roemmele, Professor William Vopat

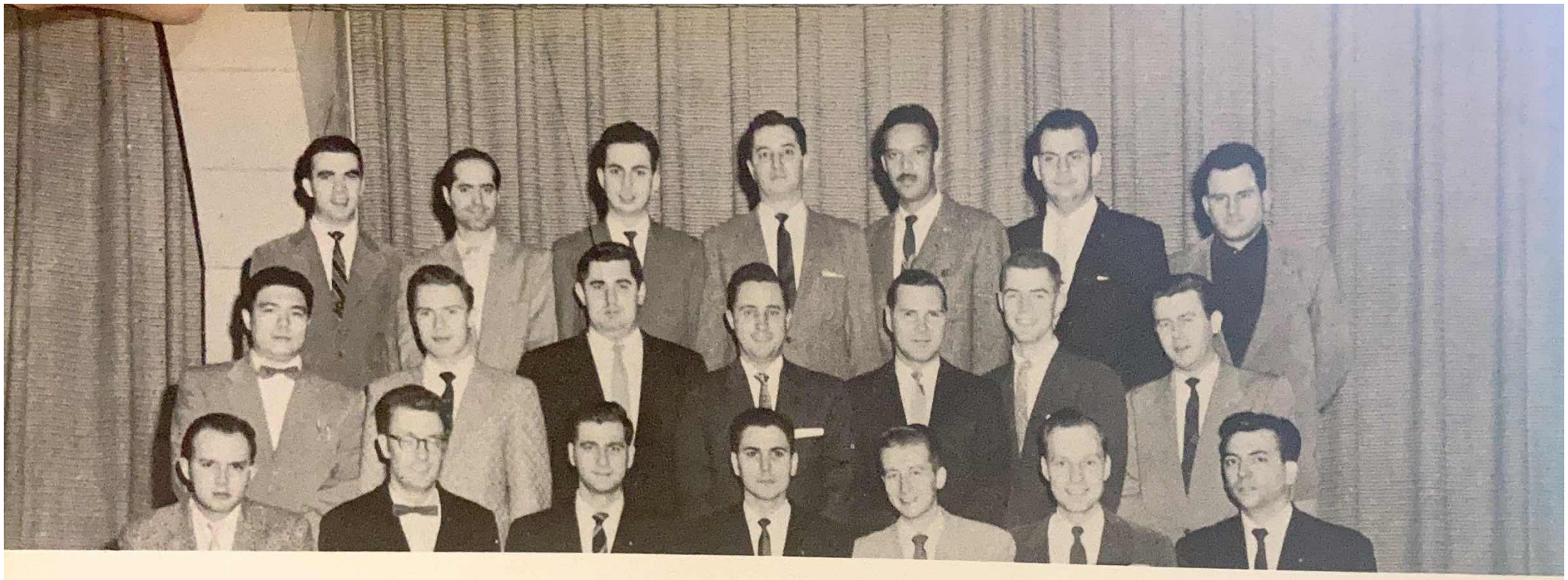


Top row, left to right: H. Carlson, A. D'Ammassa, W. Mancuso, R. Caddell, S. Stachura, M. Hermes, R. Ranalli, E. Muller, G. Cambigianis, F. Bromfield, J. Gorman, D. Schwinn, W. Lushbaugh. Middle row: W. Kaehler, W. Pasinosky, R. Holzwarth, R. Osolin, W. Bylciw, J. Kahrs, R. Costello, F. Bahniuk, F. Bader, R. Mihon, W. Passas, J. McCoy, G. Macotsis, J. Keane. Bottom row: R. Heilen, W. Deasy, R. Puttre,, F. Dobrowolski, Dean N. L. Towle, R. Schwartz, P. Mullan, D. Nelson, S. Longinotti, C. Gerdes, G. Barletta. Camera Shy: G. Ziener.

The Delta Chapter of Omega Delta Phi Fraternity, Inc., occupies quarters at 58 East Seventh Street. Since the Fraternity was founded in 1903, its purpose . . . "to perpetuate friendships made while students, and to encourage the love and esteem of Alma Mater," has been the guide for all its activities.

OMEGA DELTA PHI

President: Richara Schwartz
Vice President: Frank Dobrowolski
Secretary: Robert Puttre
Treasurer: Philip Mullan



Top row, left to right: A. Meade, R. Talamo, A. Celentano, D. Healy, W. Bailey, W. Aguele, P. Frintzilas. Middle row: T. Way, L. Tirelli, L. Bober, F. Braemer, A. Beers, R. Mulhern, P. McNamara. Bottom row: J. Lawlor, H. Wylie, J. Dominis, S. Cabibbo, W. Sax, G. Hillenbrand, A. Rich.

The graduating class of 1957 includes three brothers of Phi Sigma Omega. To these men and to every graduate, we wish to extend our heartiest congratulations and best wishes for the future.

Phi Sigma Omega Fraternity, composed solely of evening engineering students, has seen the passing of thirty-one graduating classes. This year we find ourselves strong in number and in the ideals on which we were founded. We believe that the past year's smokers, parties, Annual Dance, and Alumni Dinner, have been of invaluable assistance in lessening the tension of evening college. The scholastic assistance and social companionship shared by our brothers has been, and will continue to be, regarded as an asset to be enjoyed and encouraged. We are all thankful for our education, but we of P.S.O. are additionally grateful for our associated benefits of fraternal friendships.

PHI SIGMA OMEGA

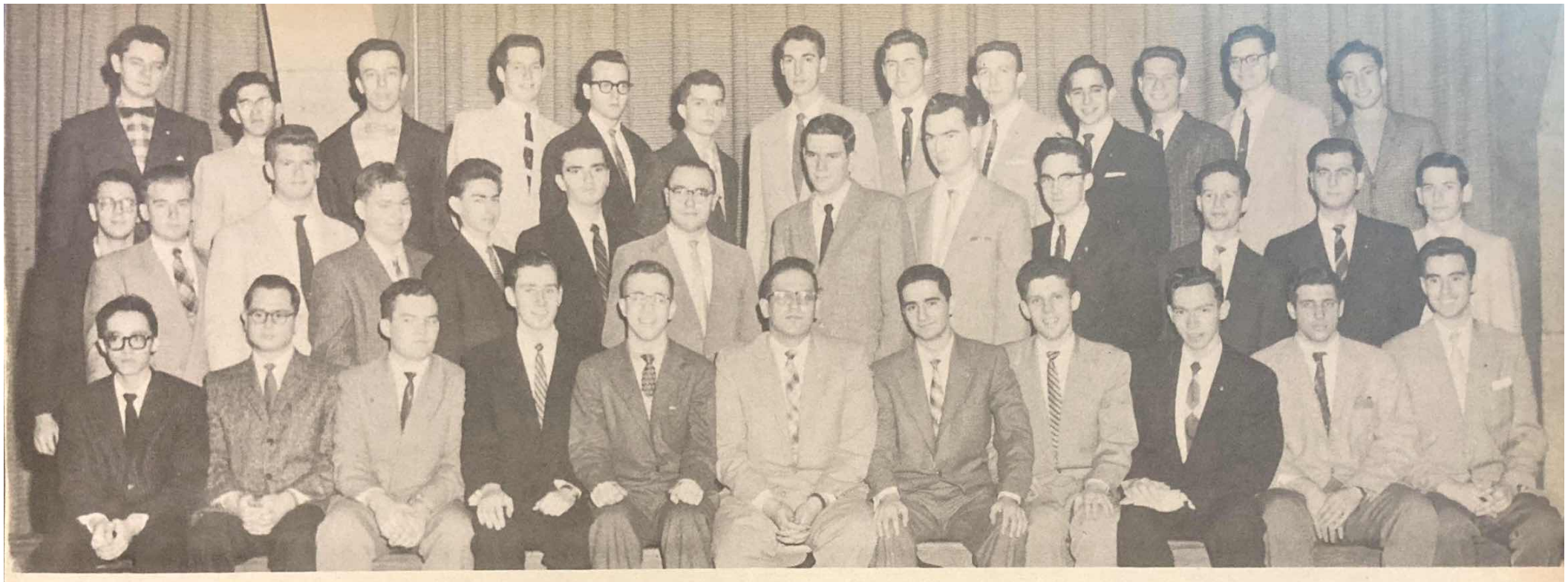
Grand Master: Warren Sax
Deputy Grand Master: Sal Cabibbo
Exchequer: Hal Wylie
Recorder: John Dominis
Faculty Advisor: Professor J. Ward

Top row, left to right: A. Namenson, J. Levy, D. Granat, A. Blocher, G. Bennewitz, L. Felton, D. Margolias, A. Lessler, E. Schuler, N. Levine. Bottom row: D. Yee, D. Kisner, A. Turk, M. Clumpus, P. Brunner, A. Geyzer, M. Blanco, E. Fearon, G. Popkin, M. Heimowitz, W. Dimoplon. Camera Shy: F. Bagley, C. Levinson.

Sigma Kappa Tau Fraternity endeavors to make its members' college years as rewarding and enjoyable as possible. An extensive social and athletic program, enriched by active alumni support, provides the foundation for obtaining this objective. In accord with our guiding philosophy, Sigma Kappa Tau brothers are extremely active in extracurricular activities and hold many important school offices. A large pledge class promises great hope for the future. SKT takes this opportunity to offer congratulations and best wishes to departing brothers and to the entire graduating class.

SIGMA KAPPA TAU

President: Arnold Geyzer
Vice President: Paul Brunner
Treasurer: Mike Blanco
Secretary: Gary Popkin
Faculty Advisor: Professor Caldiero

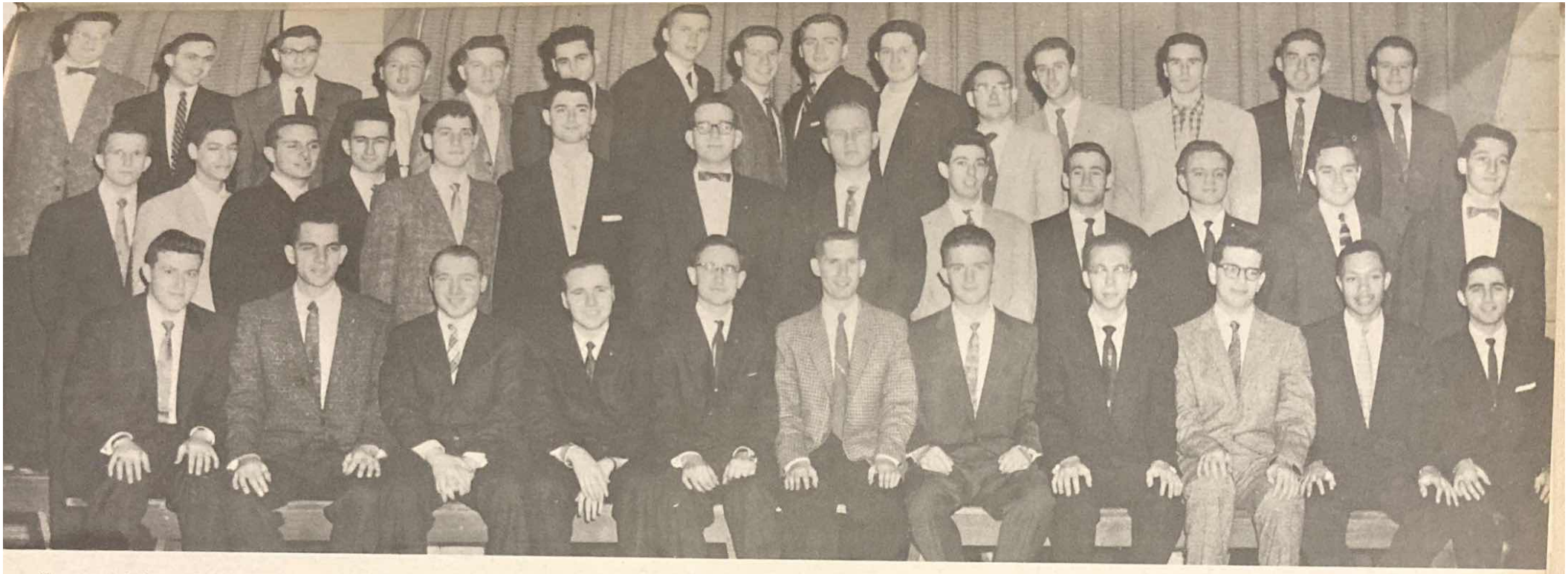


Top row, left to right: B. Davis, S. Fass, M. Zwillenberg, L. Kershenbaum, E. Goodman, J. Ablon, R. Bungay, E. Muller, H. Abramson, J. Volin, Melvin Coznowski, J. Saslow, L. Kaplan. Middle row: D. Grossman, W. Kaehler, G. Kaplan, M. Goldberg, L. Lander, I. Gura, I. Huppert, J. Ferziger, J. Muldoon, C. Pinyan, G. Strahs, J. Dominis, H. Rosenberg. Bottom row: D. Yee, J. Reingold, P. Brunner, R. Heilen, S. Altschuler, L. Minsuk, M. Friedman, M. Wachspress, J. Waldman, S. Shapiro, W. Dimoplon.

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS — An engineer maintains and strengthens his professional status by early affiliation with a national society. For the Chemical Engineering student, membership in the AIChE is an aid to the development of the professional attitude so imperative to success. Plant trips, industrial and technical movies, guest speakers and attendance at national Institute meetings acquaint the sudent with equipment and problems encountered in the field. Special thanks are due to the faculty advisor, Professor Arthur H. Radasch, for his valuable aid.

A I CH E

President: Lester Minsuk
Vice President: Irving Brazinsky
Secretary: Rudolf Salinger
Treasurer: Sidney Altschuler
Faculty Advisor: Professor A. Radasch

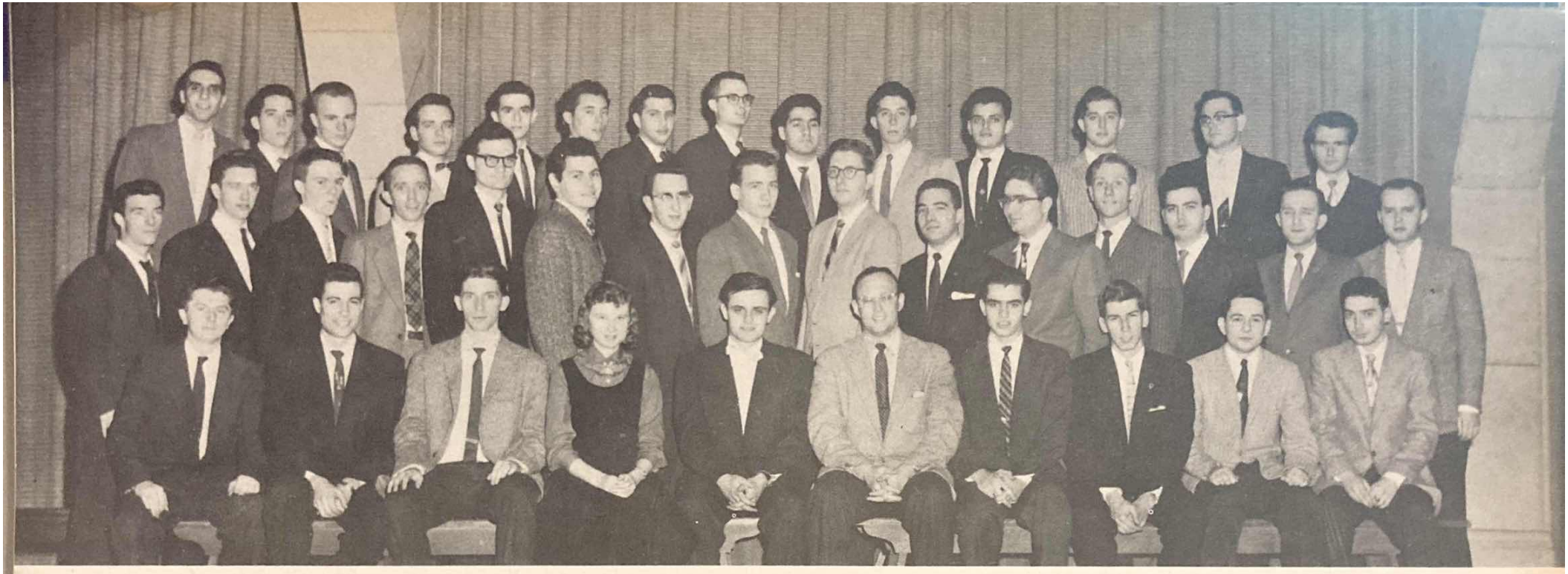


Top row, left to right: R. Goepfert, P. Lubell, A. Namenson, S. Schweitzer, G. Zysman, C. Kittiver, M. Gordon, B. Barish, E. Fearon, O. Tretiak, D. Weiss, S. Prager, P. Thoi'sen, H. Kleiman, D. Denburg. Middle row: W. Pasinosky, G. Popkin, D. Kisner, M. Blanco, J. Schechter, J. Levy, J. Alford, S. Fink, A. Lessler, K. Ruttenberg, R. Rudish, J. Goldstein, N. Levine. Bottom row: M. Heimowitz, J. Schere, P. Kane, A. Wolfman, H. Ansell, A. Klinger, A. Genlot, M. Kostin, A. Simon, L. Gurley, B. Zivotofsky. Camera Shy: E. Axelband, M. Berman, J. Coumeri, H. Dym, T. Fine, S. Hofstein, M. Jacobs, R. Lent, C. Levy, A. Rosenblatt, S. Schwartz, M. Sposili, A. Temps.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS — INSTITUTE OF RADIO ENGINEERS — Broadband microwave equalizers and summer jobs, guided missiles and engineers' unions, hi-fi and a comical, catered, kosher dinner. Replete with original songs depicting the life of the Electrical Engineering student ". . . at Cooper Union," and pseudo-scientific committee reports (remember the V-bomb?), this last was the high spot of the AIEE-IRE calendar. It is fondly hoped that the First Annual AIEE-IRE Dinner will be followed by a second.

A I E E - I R E

Chairman: Allen Klinger
Vice Chairman: Albert Genlot
Secretary, IRE: Henry Ansell
Secretary, AIEE: Philip Kane
Treasurer, IRE: Arnold Wolfman
Treasurer, AIEE: Jonathan Schere
Counselor: Professor Starr
Inst. Representative of IRE: Professor J. Sherman

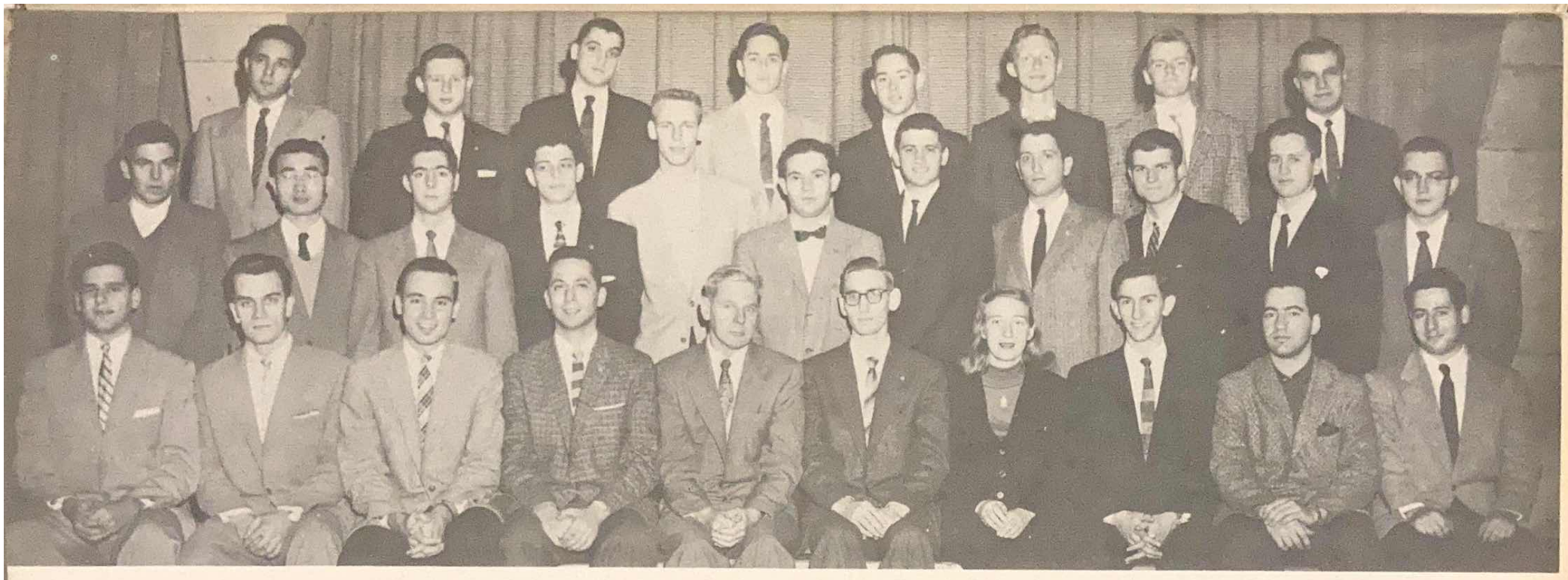


Top row, left to right: G. Barletta, A. Goulet, J. Keane, I. Kugelman, L. Felton, P. Salerno, A. Blocher, G. Bennewitz, L. Nacamuli, J. Alper, S. Avery, R. Zahn, P. Ricca, F. Kaelin. Middle row: G. Cogorno, R. Mihon, J. McCoy, D. Nelson, W. Passas, D. Granat, H. Berkowitz, F. Kosofsky, H. Kass, M. Clumpus, G. Feinstein, D. Schwinn, M. Mazzola, K. Shapiro, J. Lawlor. Bottom row: F. Kaufman, S. Solomon, W. Deasy, S. Zalite, M. Fischetti, Professor Alpern, F. Dobrowolski, A. Wern, S. Liapunov, R. Takla. Camera Shy: R. Caddell, O. von Bradsky, M. Taylor, H. Jacks, W. Schmitz, J. Cawlor, M. Schnapp, A. Lichter, P. Limm, C. Gerdes, R. Marsico, R. Rubin, G. Salzman, F. Bahniuk, S. Batterman, E. Friedman, S. Hanan, V. Iavarone, A. Kassan, J. Macunias, W. Mancuso, F. Nelson, T. Nicholas, R. Rosen, P. San Pierto, L. Schiavello H. Vellins, R. Weber, C. Wieck, J. Wyles, H. Yagoda, N. Zucker, E. Erickson, C. Foster, I. Nelson, J. Radziminski, D. Sobel, W. Bennet.

A S C E

AMERICAN SOCIETY OF CIVIL ENGINEERS—
One of the purposes of the Cooper Union Student Chapter of the American Society of Civil Engineers is to develop a truly professional attitude. This aim is accomplished through meetings and field trips which are designed to make the Civil Engineering students realize the importance and the benefits of participation in Society functions. The most noteworthy venture this year was the attendance of the senior class at the Annual Convention of the ASCE in Pittsburgh, Pennsylvania. Highlights of the trip were the kickoff party, the sun bathers, and Cathy, dear Cathy.
During the year, the Society was concerned over the possibility of losing members to the medical profession, but fortunately this did not materialize.
The Cooper Union Chapter is aware that for the complete development of one's career, the opportunities to exchange ideas and to form lasting friendships which the Chapter affords is invaluable to the Civil Engineering student.

President: Michael Fischetti
Vice President: Raymond Tillman
Treasurer: Frank Dobrowolski
Secretary: William Deasy
Faculty Advisor: Professor Milton Alpern

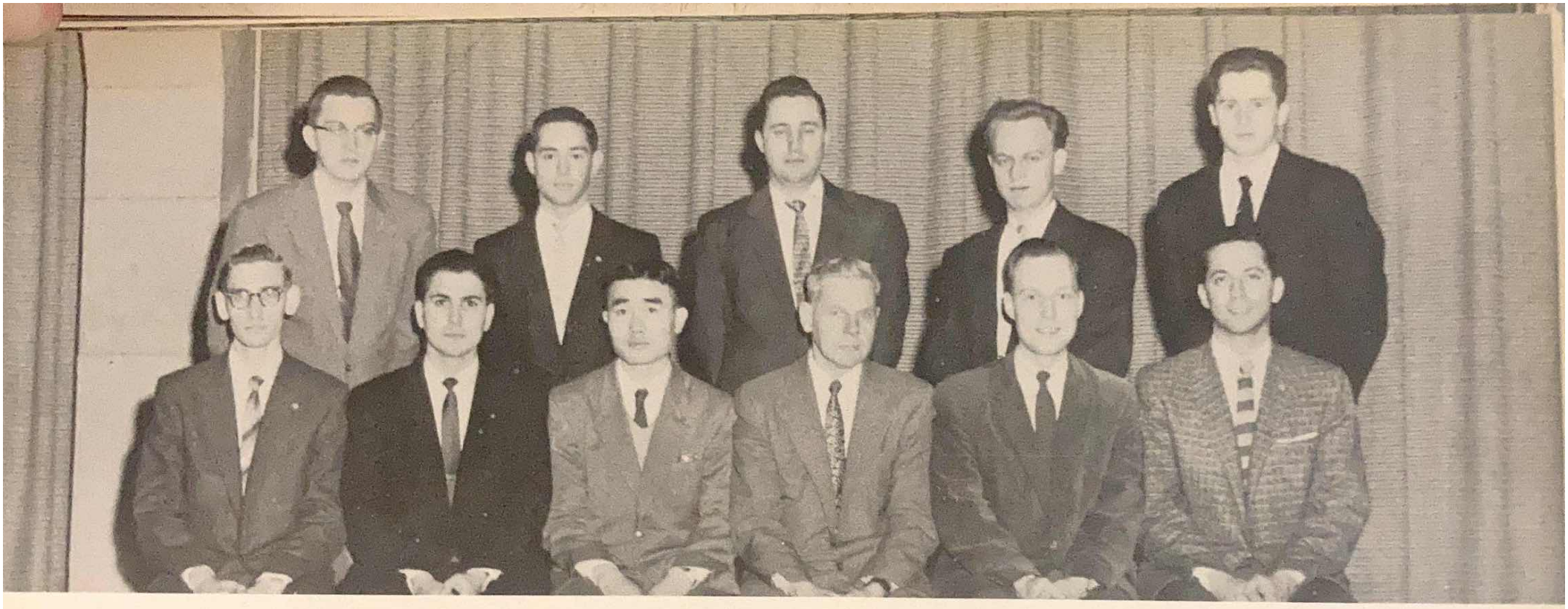


Top row, left to right: *F. Austin, D. Margolias, R. Schwartz, T. Kroin, J. Vollaro, R. Springberg, C. Engley, G. Cambigianis. Middle row*: *H. Rachlin, K. Yasuda, H. Efrom, A. Turk, R. Osolin, M. Gilder, M. Cantor, W. Kokot, F. Bader, P. Mullan, F. Berg. Bottom row*: *A. Carnesale, R. Schwartz, W. Bylciw, M. Goodman, Professor K. E. Lofgren, W. Skrabal, M. MacNichol, D. Zendels, L. Speilvogel, H. Warren. Camera Shy*: *H. Andersen, P. Bailyn, F. Braemer, L. Birenbaum, S. Cabibbo, R. Engstrom, J. George, A. Gerber, G. Hillenbrand, J. Hollenberg, J. Kahrs, C. Levinson, A. Lowin, W. Marion, S. Minkowitz, O. Rodzianko, E. Schuler, R. Schwartz, T. Staskus, R. Talamo, M. Weihrauch, C. Weinstein, B. Wolf, G. Wright.*

AMERICAN SOCIETY OF MECHANICAL ENGINEERS — The American Society of Mechanical Engineers' student chapter has as its purpose the supplementing of our engineering education on a professional level. This is accomplished by means of student and guest speakers, industrial films, plant trips and by the Annual ASME Dinner. Student members attend functions of the present society such as regional meetings and the Annual Convention.

A S M E

Chairman: *Fred Berg*
Vice Chairman: *Robert Osolin*
Treasurer: *Harry Andersen*
Secretary: *Philip Mullan*
Faculty Advisors: *Professor Lofgren, Mr. Bedell*



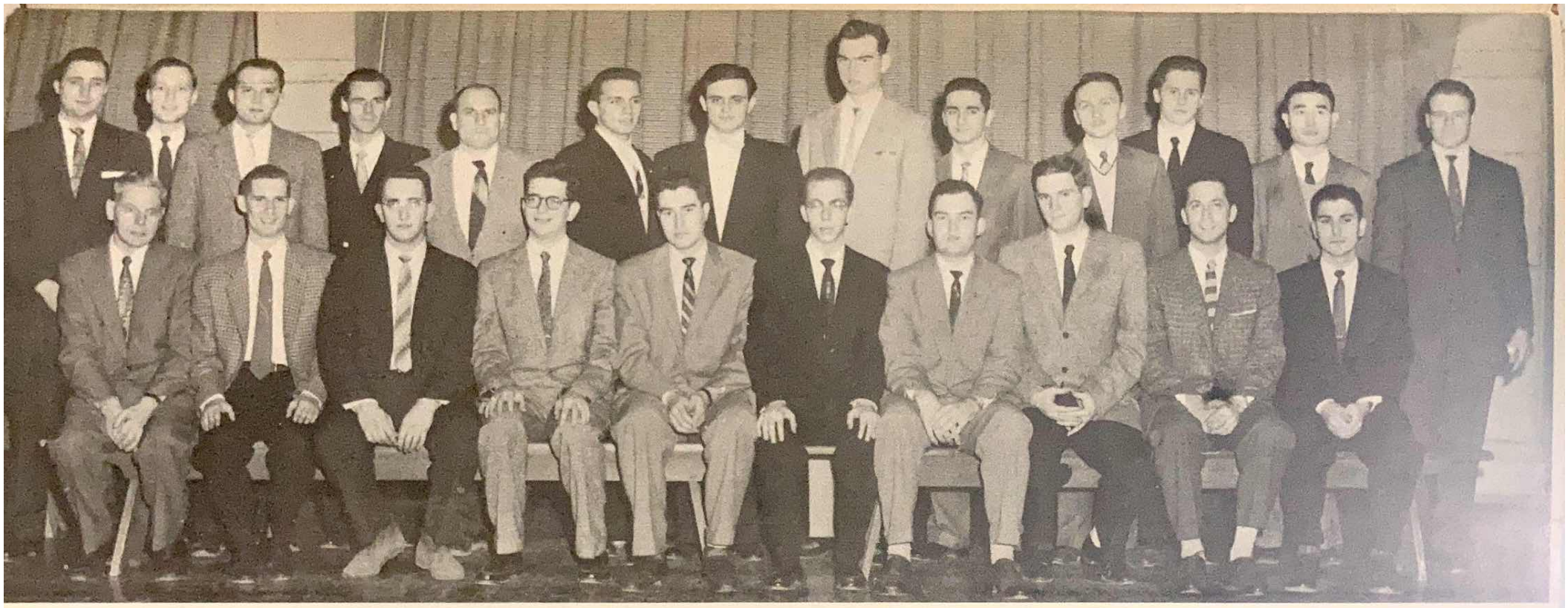
Top row, left to right: F. Berg, J. Vollaro, F. Braemer, E. Schuler, P. Mullan. Bottom row: W. Skrabal, S. Cabibbo, K. Yasuda, Professor Lofgren, G. Hillenbrand, M. Goodman. Camera Shy: R. Osolin, O. Rodzianko, M. Weihrauch.

PI TAU SIGMA

The Cooper Union Pi Phi Chapter of Pi Tau Sigma, National Honorary Mechanical Engineering Society, was founded "to establish a closer bond of fellowship . . . to those men in the study and the profession of Mechanical Engineering, who, by their academic or practical achievement manifest a real interest and marked ability in their chosen work." We have tried not only to be of assistance to the Mechanical Engineering Department and to foster the high ideals of the engineering profession, but also to provide some means of social activity among our day and evening Mechanical Engineering Students.

Students are selected on the basis of exemplary scholarship, integrity, personality, and sound engineering ability from the upper third of the Mechanical Engineering upperclassmen.

President: Gerard Hillenbrand
Vice President: Kentaro Yasuda
Recording Secretary: Maurice Goodman
Corresponding Secretary: Walter Skrabal
Treasurer: Salvatore Cabibbo
Faculty Advisor: Professor Kut



Top row, left to right: F. Braemer, G. Hillenbrand, J. Lawlor, G. Van Oostendorp, S. Saperstein, D. Kisner, M. Fischetti, J. Muldoon, M. Friedman, D. Curry, P. Mullan, K. Yasuda, D. Denburg. Bottom row: Prof. Lofgren, A. Klinger, H. Berkowitz, A. Simon, D. Kenney, M. Kostin, P. Brunner, J. Ferziger, M. Goodman, S. Cabibbo. Camera Shy: L. Goodman, W. Grunbok, L. Gurley, T. Sammis, A. Vaart.

TAU BETA PI

The New York Iota Chapter of Tau Beta Pi, the national engineering honor society, was established at the Cooper Union in 1947. Since its inception, this chapter has served the school in many ways, such as through its tutoring program and through its semiannual courses evaluation program. To emphasize the importance of humanities in a person's education, an annual award for excellence in this field was established. Chapter members are chosen on the basis of outstanding scholarship, breadth of interests, and personality.

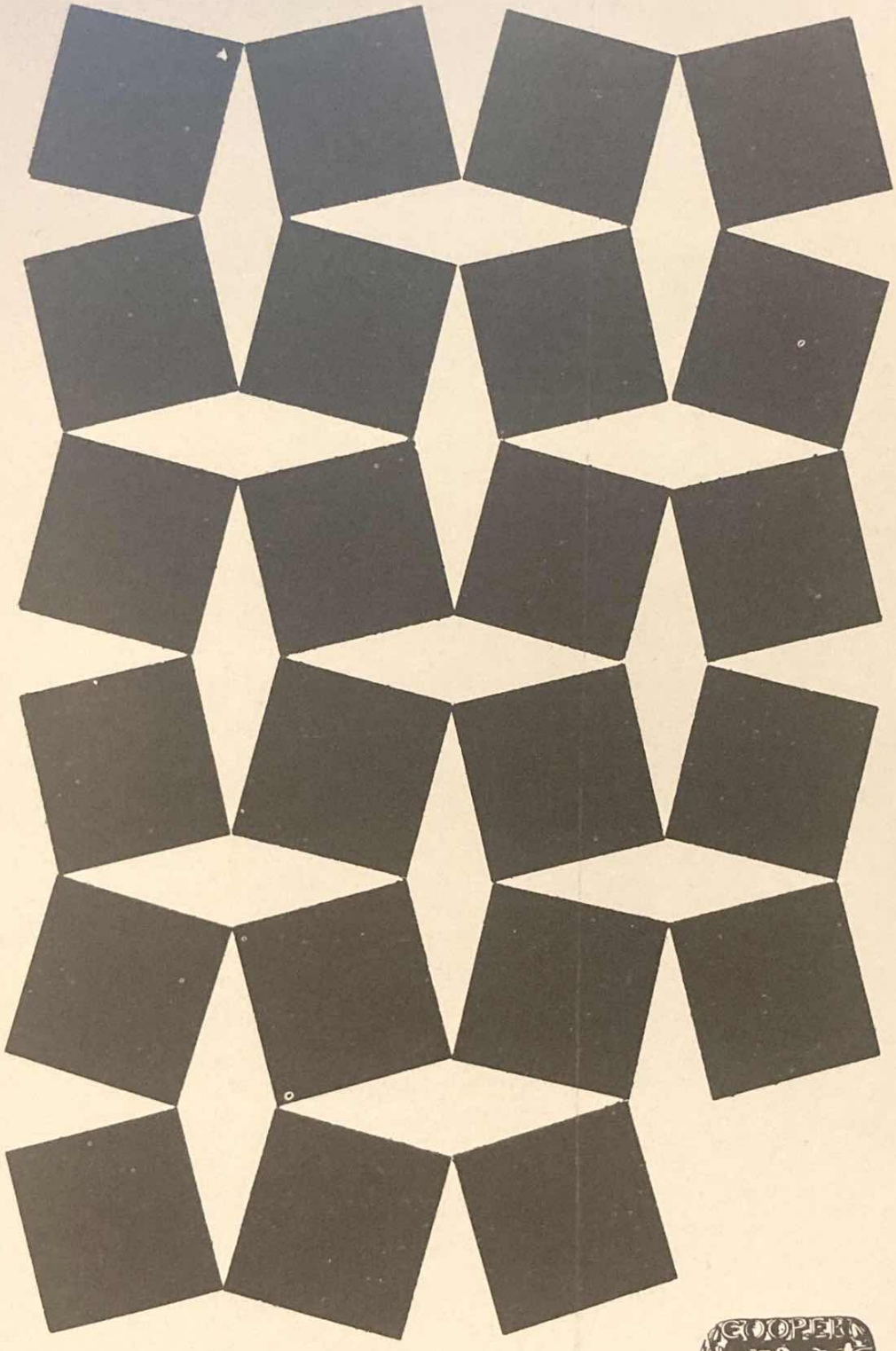
The past year saw increased use of the tutoring program by the student body, the issuing of Tau Beta Pi bookmarks, and the intiation of an annual social gathering. This affair was attended by the national president of Tau Beta Pi, H. M. King; the party activities ranged from quiet conversation to a balloon attack on the Student Relations Office. These are typical of the functions of the Cooper Union Chapter — a conscious effort on the part of a few students to make a significant contribution to the student body of their institution.

President: Donald Kenney
Vice President: Morton Kostin
Recording Secretary: Leon Goodman
Corresponding Secretary: Allen Simon
Treasurer: Warren Grunbok
Faculty Advisor: Prof. F. H. Miller

THE COOPER UNION ALUMNI ASSOCIATION

When we received that thrilling notice of our admission to Cooper Union, we became instantly permanent members of that elite group — the Cooper Union Family. Upon graduation we join the large, loyal branch of the family — the alumni, who, through the Alumni Association, maintain our family ties and strengthen our Alma Mater. As undergraduates we all enjoyed both in our academic and in our extra-curricular life facilities provided by our older brother alumni. Now it's going to be the Class of 1957's *turn.*

Your Alumni Association renders significant service to you and your fellow alumni . . . to your Alma Mater . . . to succeeding generations of undergraduates . . . Your Alumni Association publishes the Alumni News bringing you news of its activities, the school, your fellow alumni . . . encourages student academic achievement through book prizes and cash awards . . . holds the Cooper Union family together by keeping track of their whereabouts and by organizing Chapters throughout the country . . . honors the memory of the Founder at the Founder's Day Dinner and at his memorials . . . holds annual reunions at the Green Camp Outing . . . conducts a P.E. Review Course and a Summer Seminar at Green Camp . . . runs a Sketch Class and the Peter Cooper Gallery . . . arranges class reunions and stimulating speakers at monthly meetings . . . serves the Cooper Union Fund through its Class Representatives . . . makes contributions to the fund . . . supports financially student publications and athletics . . . honors distinguished alumni via Alumnus-of-the-Year scroll and the Gano Dunn Medal . . .Be a part of this dynamic program . . . with more than 2,000 *of your active fellow alumni . . . Our effectiveness grows in proportion to our membership . . .*



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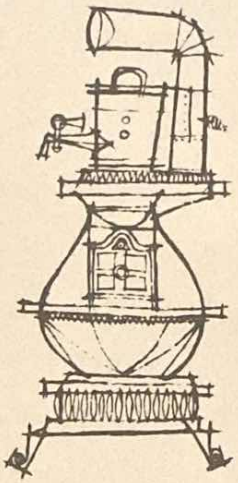

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Thomas E. Peterson,
EE '23
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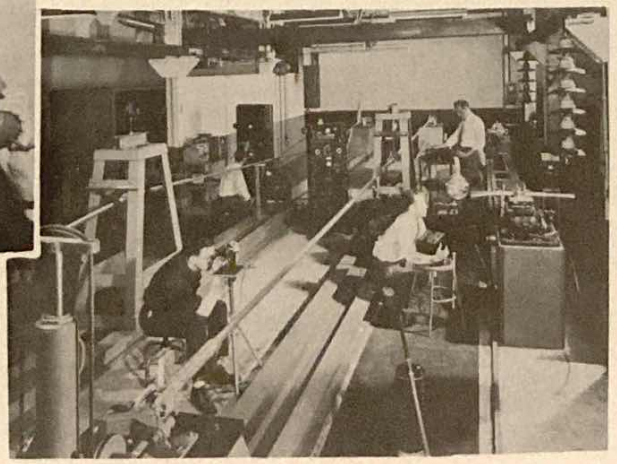

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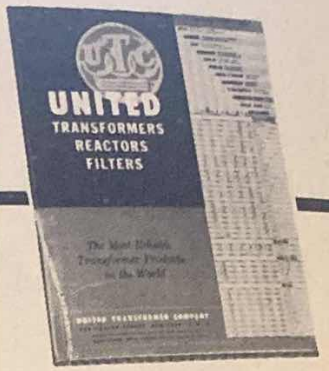

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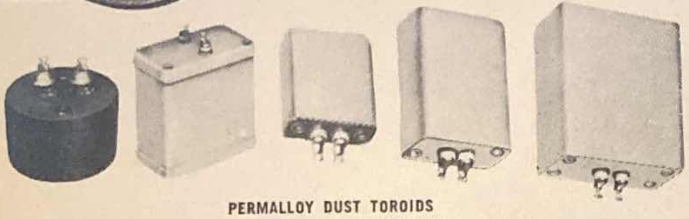

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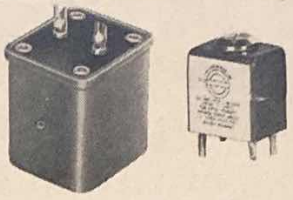

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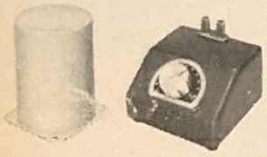

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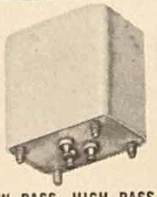

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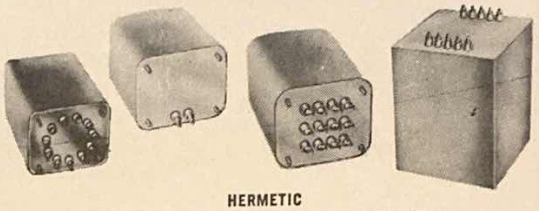

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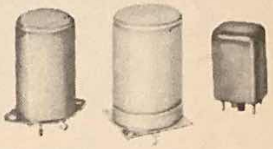

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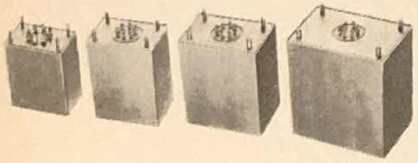

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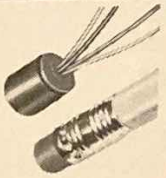

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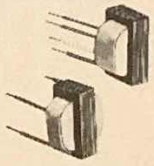

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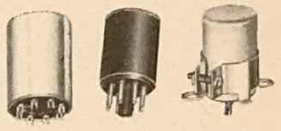

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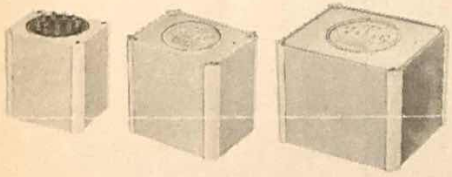

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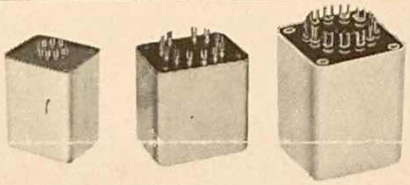

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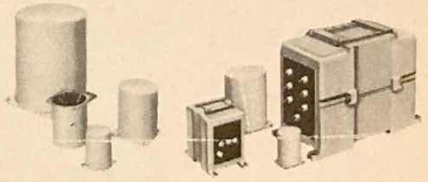

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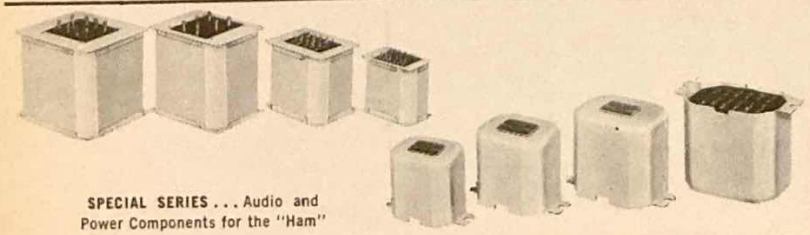

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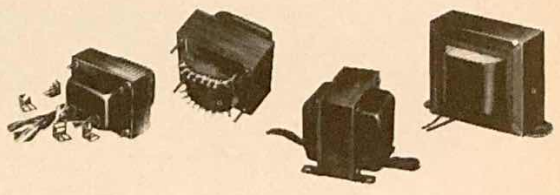

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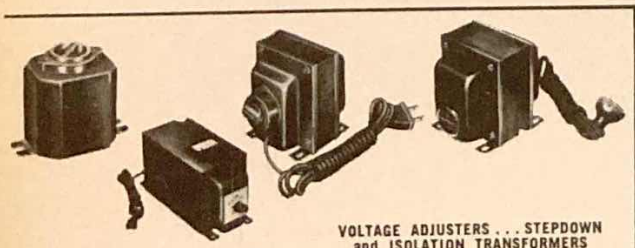

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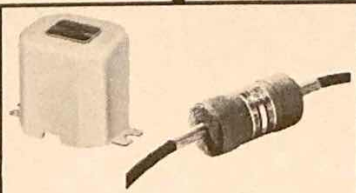

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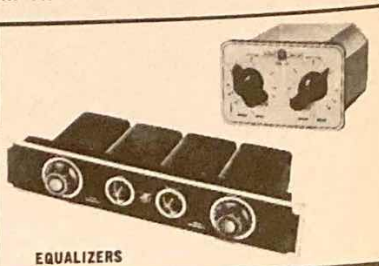

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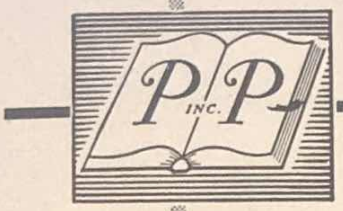

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